

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112319\  
 Data File : BG043754.D  
 Acq On : 23 Nov 2019 13:49  
 Operator : JU  
 Sample : PB125036BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB125036BL

Quant Time: Nov 25 02:41:25 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG112219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Nov 23 00:54:00 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.03  | 152  | 58246    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.83 | 136  | 270376   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.65 | 164  | 220801   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.40 | 188  | 611711   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.66 | 240  | 652115   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.84 | 264  | 571375   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 332586   | 102.65 | ng    | 0.00     |
| 7) Phenol-d6                | 7.18  | 99   | 320923   | 68.14  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.18  | 82   | 447510   | 91.00  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.14 | 330  | 400053   | 150.22 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 1169439  | 87.06  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.02 | 244  | 2595070  | 89.92  | ng    | 0.00     |

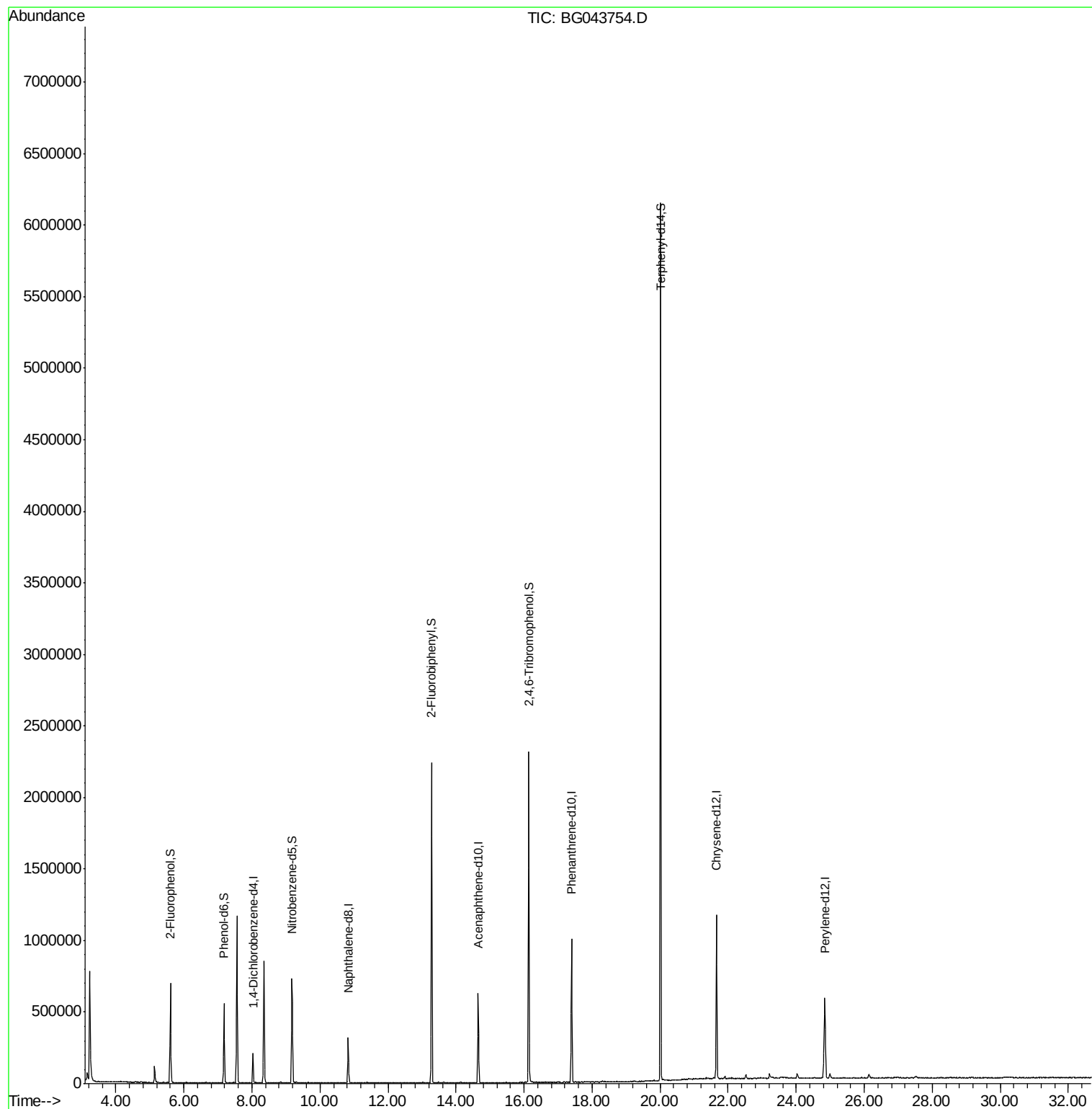
Target Compounds Qvalue

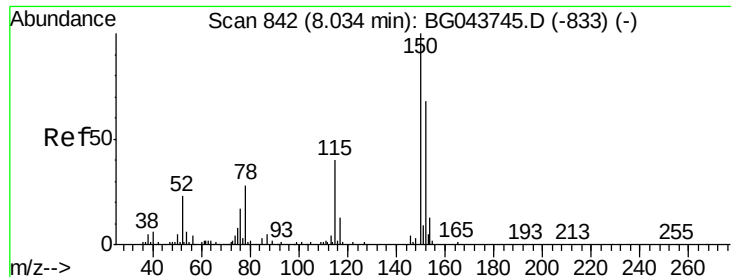
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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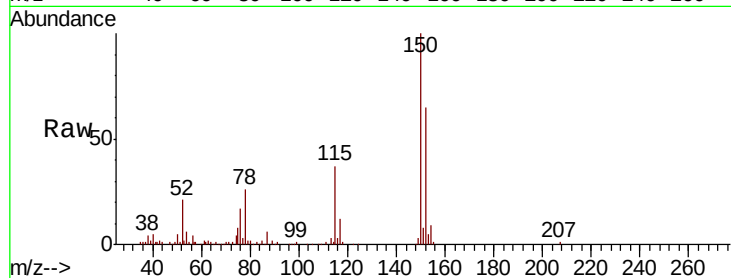


#1

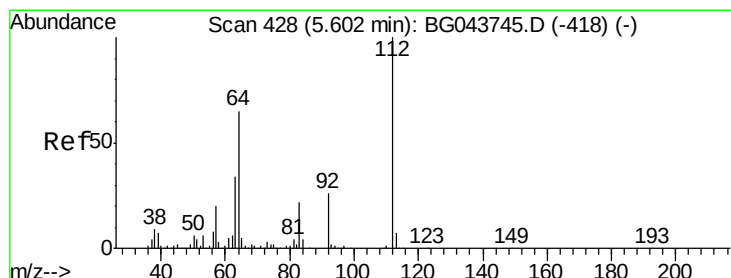
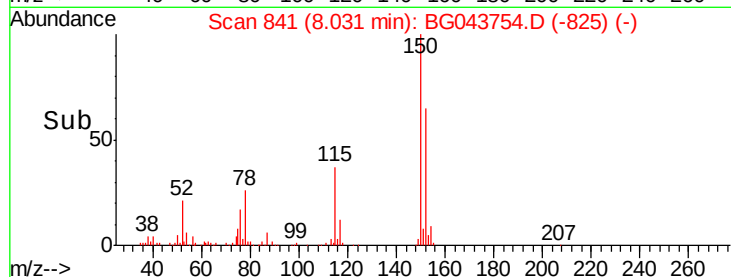
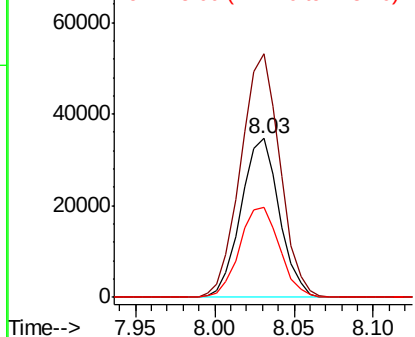
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.03 min Scan# 841  
Delta R.T. -0.00 min  
Lab File: BG043754.D  
Acq: 23 Nov 2019 13:49

Instrument :  
BNA\_G  
ClientSampleId :  
PB125036BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.1 | 117.8 | 176.8 |
| 115     | 56.5  | 47.0  | 70.4  |



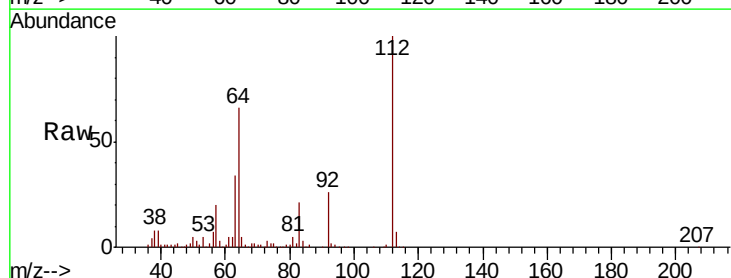
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



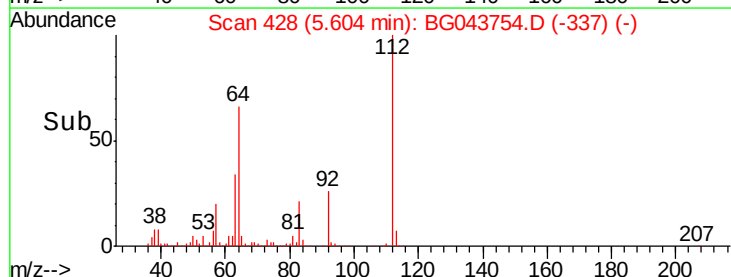
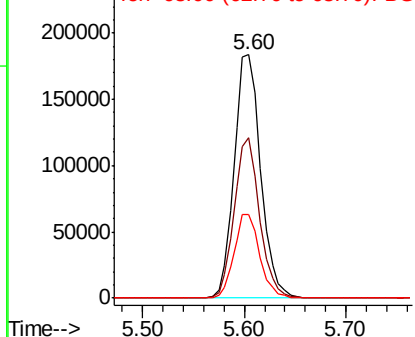
#5

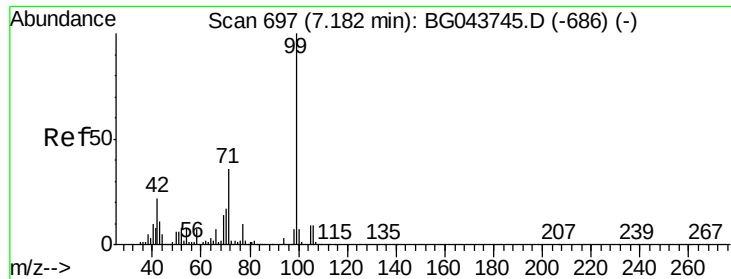
2-Fluorophenol  
Concen: 102.654 ng  
RT: 5.60 min Scan# 428  
Delta R.T. 0.00 min  
Lab File: BG043754.D  
Acq: 23 Nov 2019 13:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.8  | 51.7  | 77.5  |
| 63      | 34.2  | 26.8  | 40.2  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG  
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 68.140 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG043754.D

Acq: 23 Nov 2019 13:49

Instrument :

BNA\_G

ClientSampleId :

PB125036BL

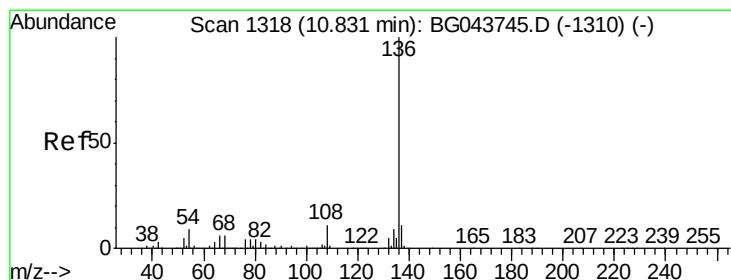
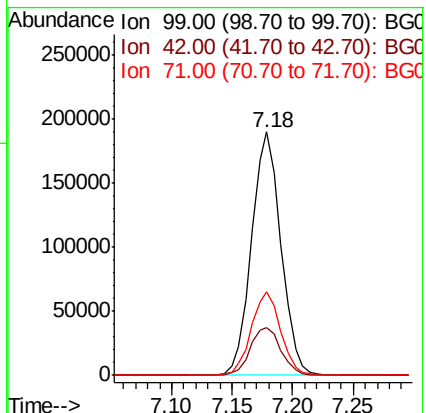
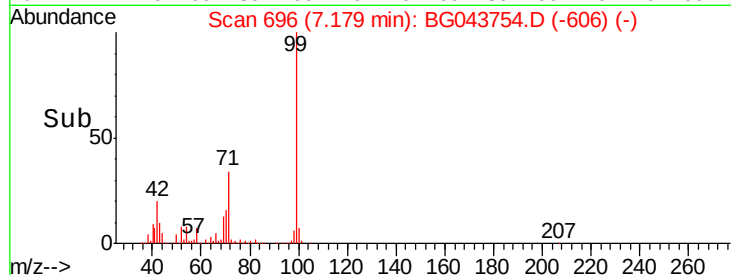
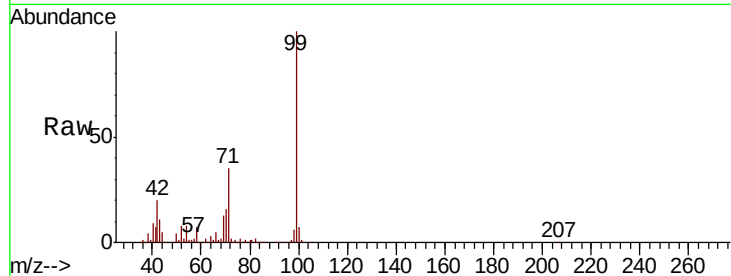
Tot Ion: 99 Resp: 320923

Ion Ratio Lower Upper

99 100

42 19.9 17.4 26.0

71 34.6 29.5 44.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BG043754.D

Acq: 23 Nov 2019 13:49

Tgt Ion: 136 Resp: 270376

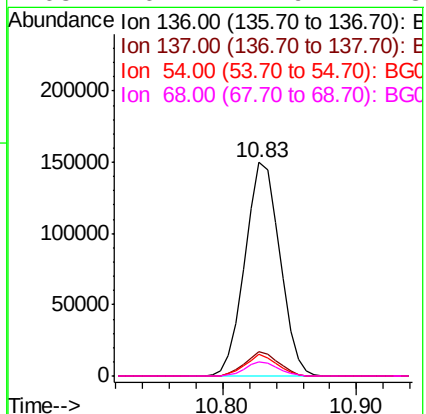
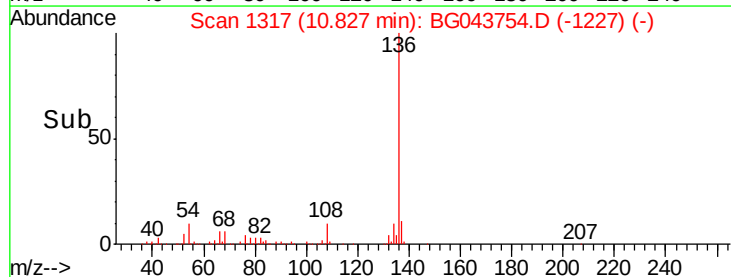
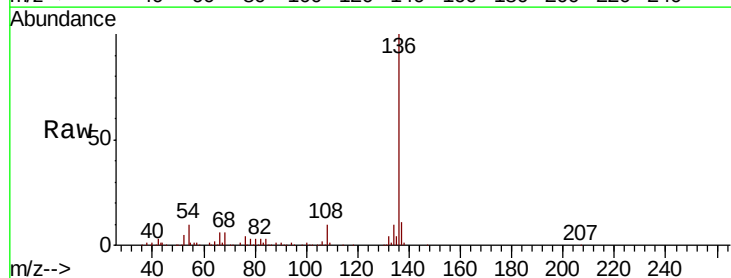
Ion Ratio Lower Upper

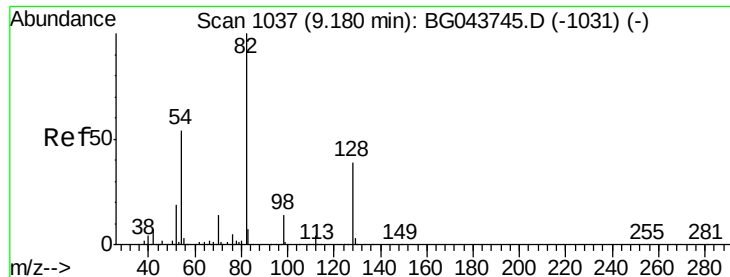
136 100

137 11.4 8.8 13.2

54 10.1 7.5 11.3

68 6.4 4.9 7.3





#23

Nitrobenzene-d5

Concen: 91.004 ng

RT: 9.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BG043754.D

Acq: 23 Nov 2019 13:49

Instrument :

BNA\_G

ClientSampleId :

PB125036BL

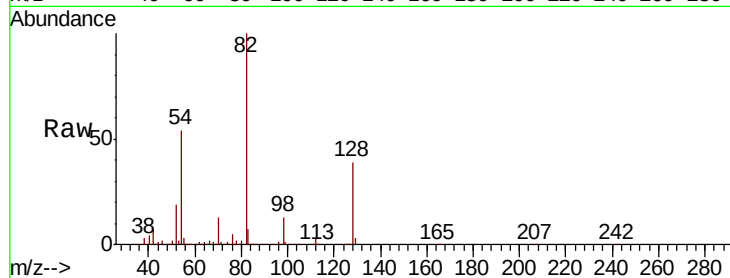
Tot Ion: 82 Resp: 447510

Ion Ratio Lower Upper

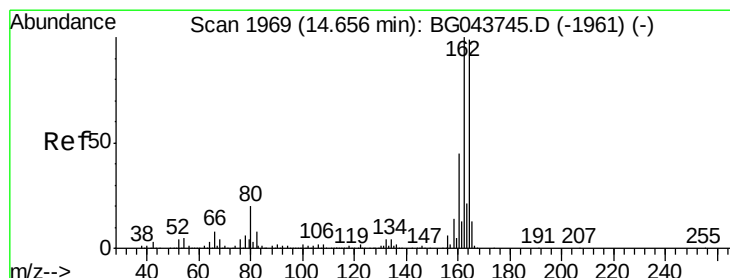
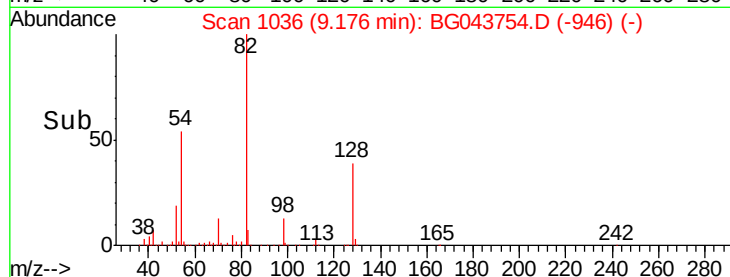
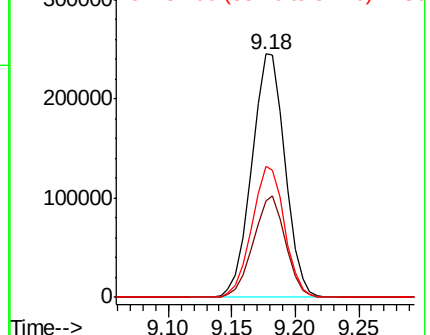
82 100

128 39.5 31.3 46.9

54 53.7 42.7 64.1



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG043754.D

Acq: 23 Nov 2019 13:49

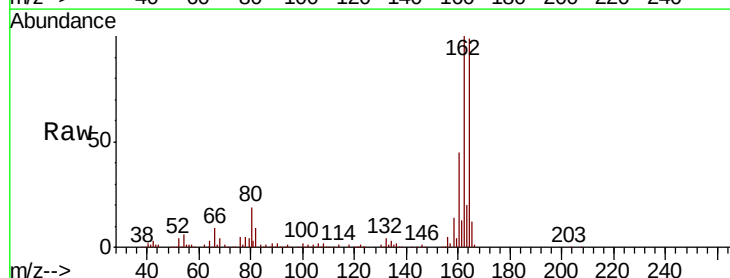
Tgt Ion:164 Resp: 220801

Ion Ratio Lower Upper

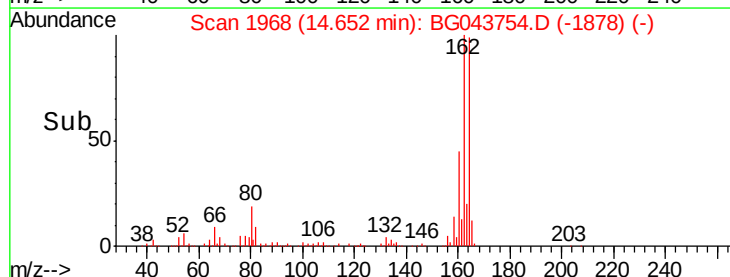
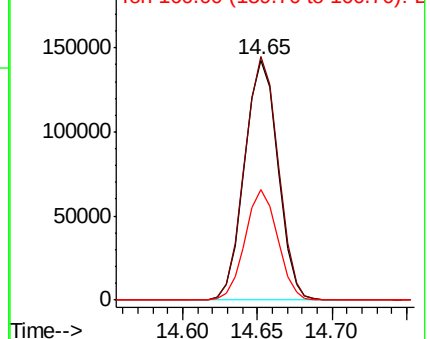
164 100

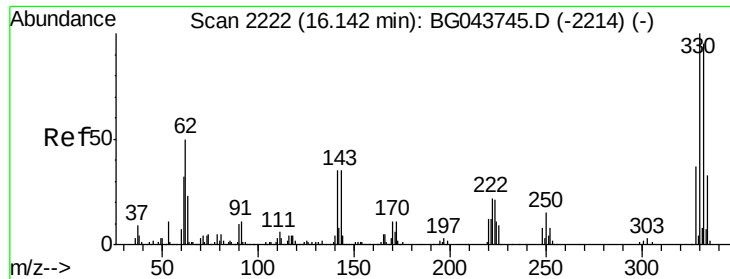
162 101.5 80.6 121.0

160 46.0 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): BGC  
Ion 162.00 (161.70 to 162.70): BGC  
Ion 160.00 (159.70 to 160.70): BGC

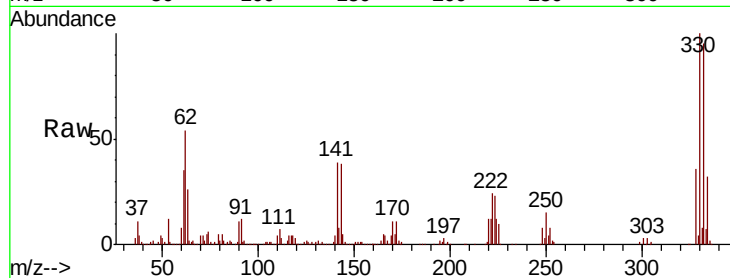




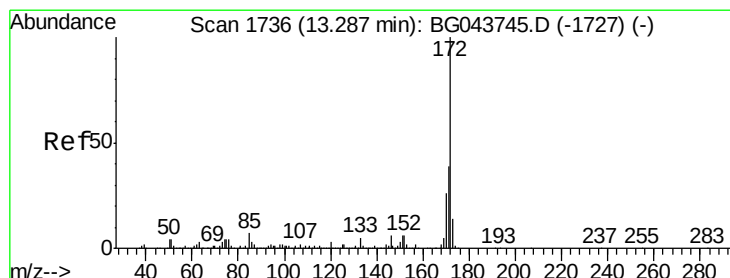
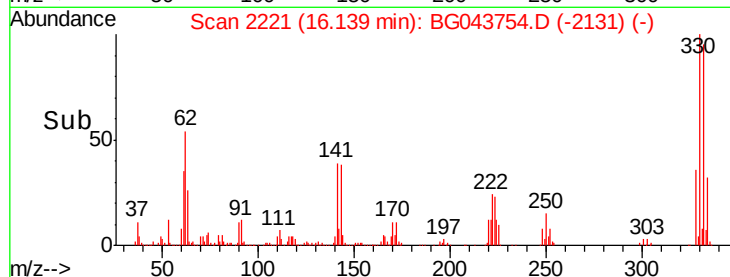
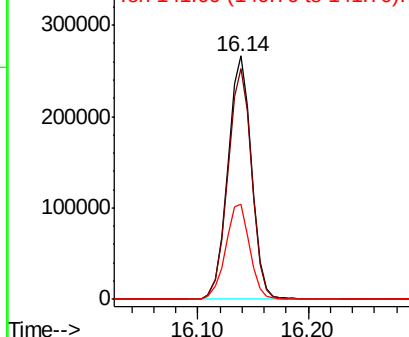
#42  
 2,4,6-Tribromophenol  
 Concen: 150.215 ng  
 RT: 16.14 min Scan# 2221  
 Delta R.T. -0.00 min  
 Lab File: BG043754.D  
 Acq: 23 Nov 2019 13:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB125036BL

Tot Ion:330 Resp: 400053  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 77.3 115.9  
 141 39.9 31.4 47.2

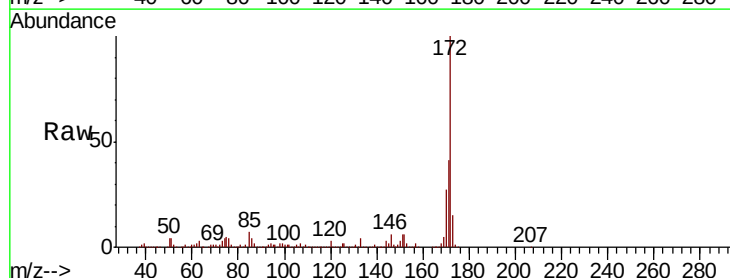


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

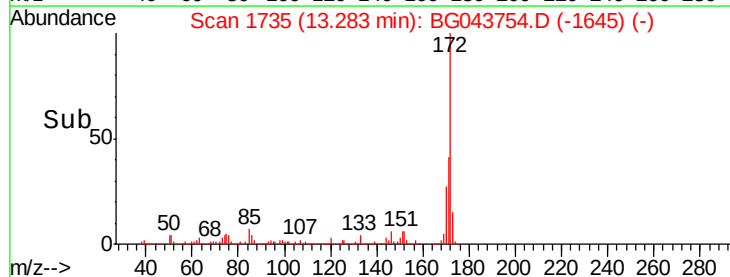
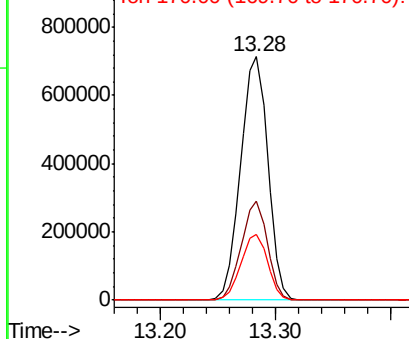


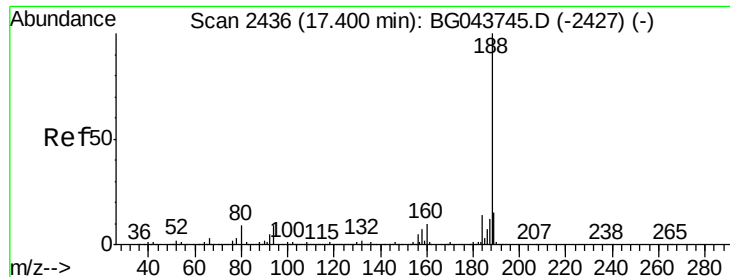
#45  
 2-Fluorobiphenyl  
 Concen: 87.061 ng  
 RT: 13.28 min Scan# 1735  
 Delta R.T. -0.00 min  
 Lab File: BG043754.D  
 Acq: 23 Nov 2019 13:49

Tgt Ion:172 Resp: 1169439  
 Ion Ratio Lower Upper  
 172 100  
 171 40.6 31.0 46.6  
 170 26.9 21.0 31.4



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

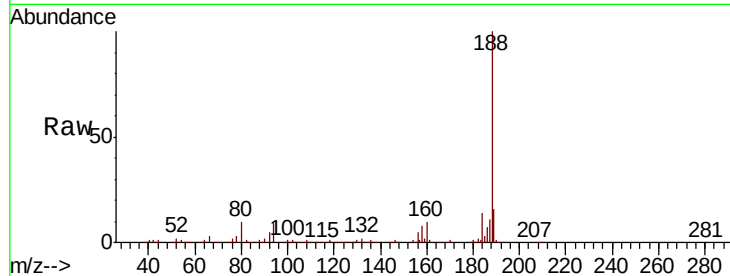




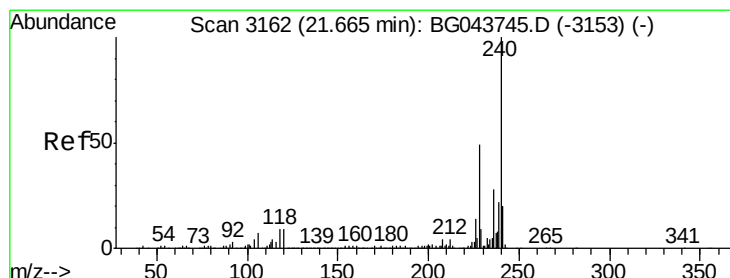
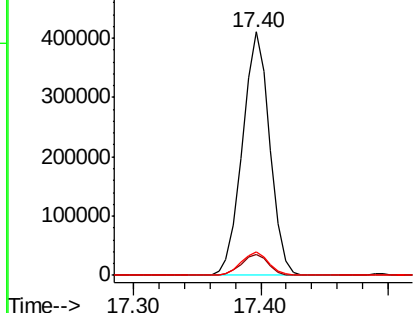
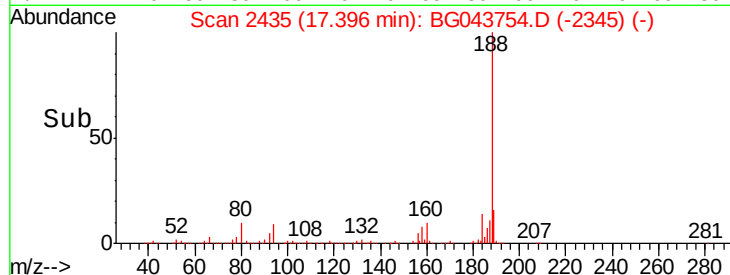
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.40 min Scan# 2435  
Delta R.T. -0.00 min  
Lab File: BG043754.D  
Acq: 23 Nov 2019 13:49

Instrument :  
BNA\_G  
ClientSampleId :  
PB125036BL

Tot Ion:188 Resp: 611711  
Ion Ratio Lower Upper  
188 100  
94 8.6 6.9 10.3  
80 9.5 7.5 11.3

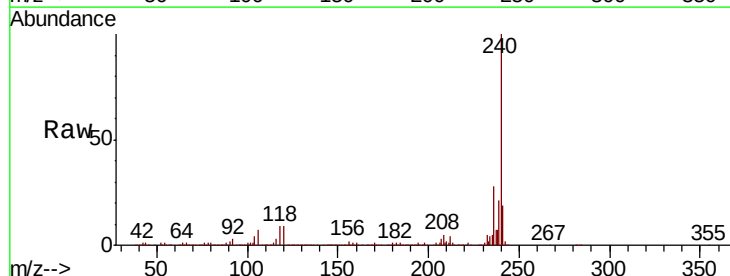


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BG  
Ion 80.00 (79.70 to 80.70): BG

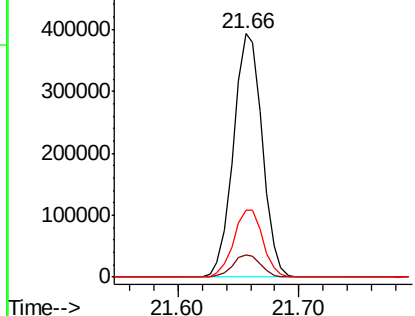
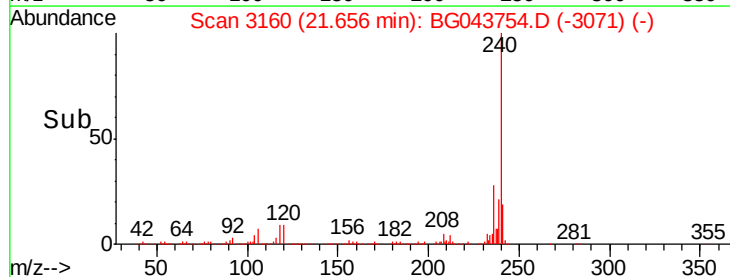


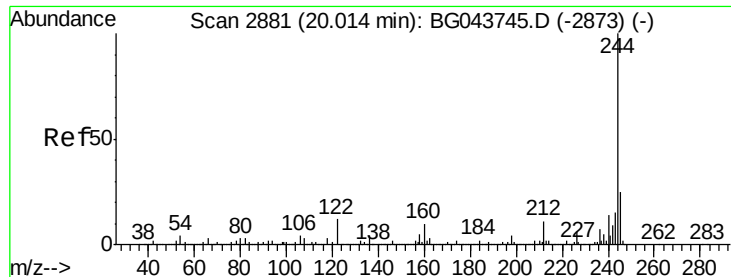
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.66 min Scan# 3160  
Delta R.T. -0.01 min  
Lab File: BG043754.D  
Acq: 23 Nov 2019 13:49

Tgt Ion:240 Resp: 652115  
Ion Ratio Lower Upper  
240 100  
120 9.3 7.5 11.3  
236 27.7 22.6 34.0



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





#79

Terphenyl-d14

Concen: 89.921 ng

RT: 20.02 min Scan# 2881

Delta R.T. 0.00 min

Lab File: BG043754.D

Acq: 23 Nov 2019 13:49

Instrument :

BNA\_G

ClientSampleId :

PB125036BL

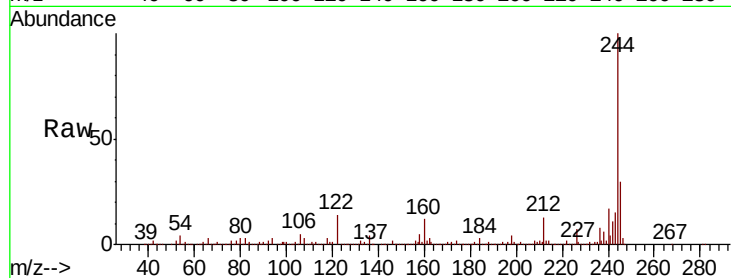
Tot Ion:244 Resp: 2595070

Ion Ratio Lower Upper

244 100

212 12.6 8.5 12.7

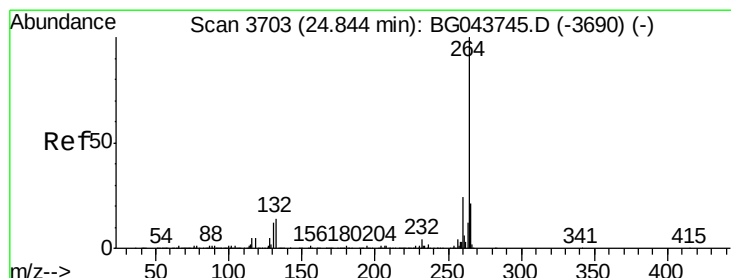
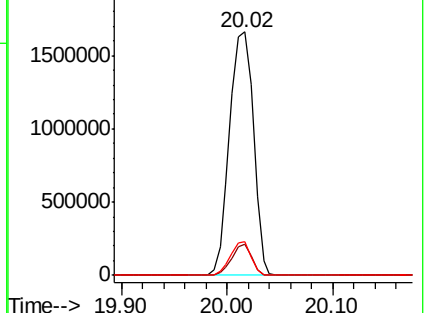
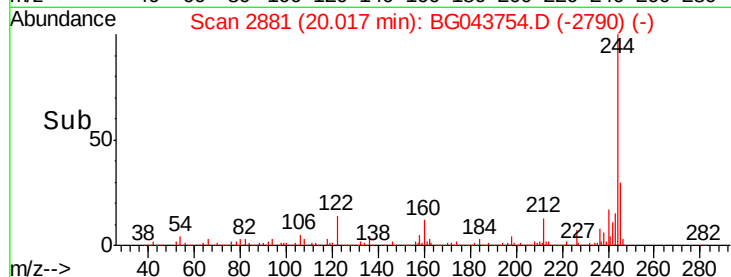
122 13.7 9.5 14.3



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.84 min Scan# 3702

Delta R.T. -0.00 min

Lab File: BG043754.D

Acq: 23 Nov 2019 13:49

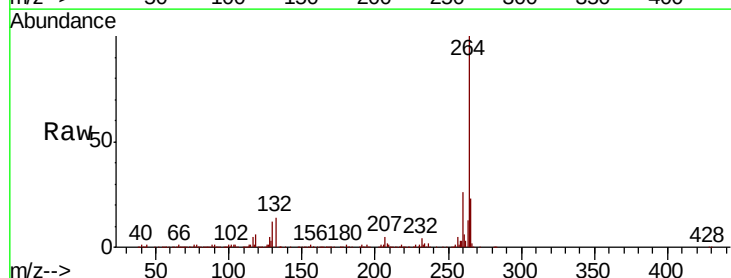
Tgt Ion:264 Resp: 571375

Ion Ratio Lower Upper

264 100

260 25.5 19.4 29.2

265 22.6 17.0 25.6



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

