

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111919\  
 Data File : BG043696.D  
 Acq On : 19 Nov 2019 13:43  
 Operator : JU  
 Sample : PB124838BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB124838BL

Quant Time: Nov 19 15:38:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 19 15:23:15 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.99  | 152  | 23421    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.80 | 136  | 80919    | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.62 | 164  | 65341    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.37 | 188  | 171426   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.64 | 240  | 200267   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.82 | 264  | 206112   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.58  | 112  | 177012   | 138.49 | ng    | 0.00     |
| 7) Phenol-d6                | 7.19  | 99   | 245566   | 133.54 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.15  | 82   | 142077   | 90.52  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.12 | 330  | 152723   | 122.82 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.24 | 172  | 420649   | 88.96  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.98 | 244  | 1018309  | 95.39  | ng    | 0.00     |

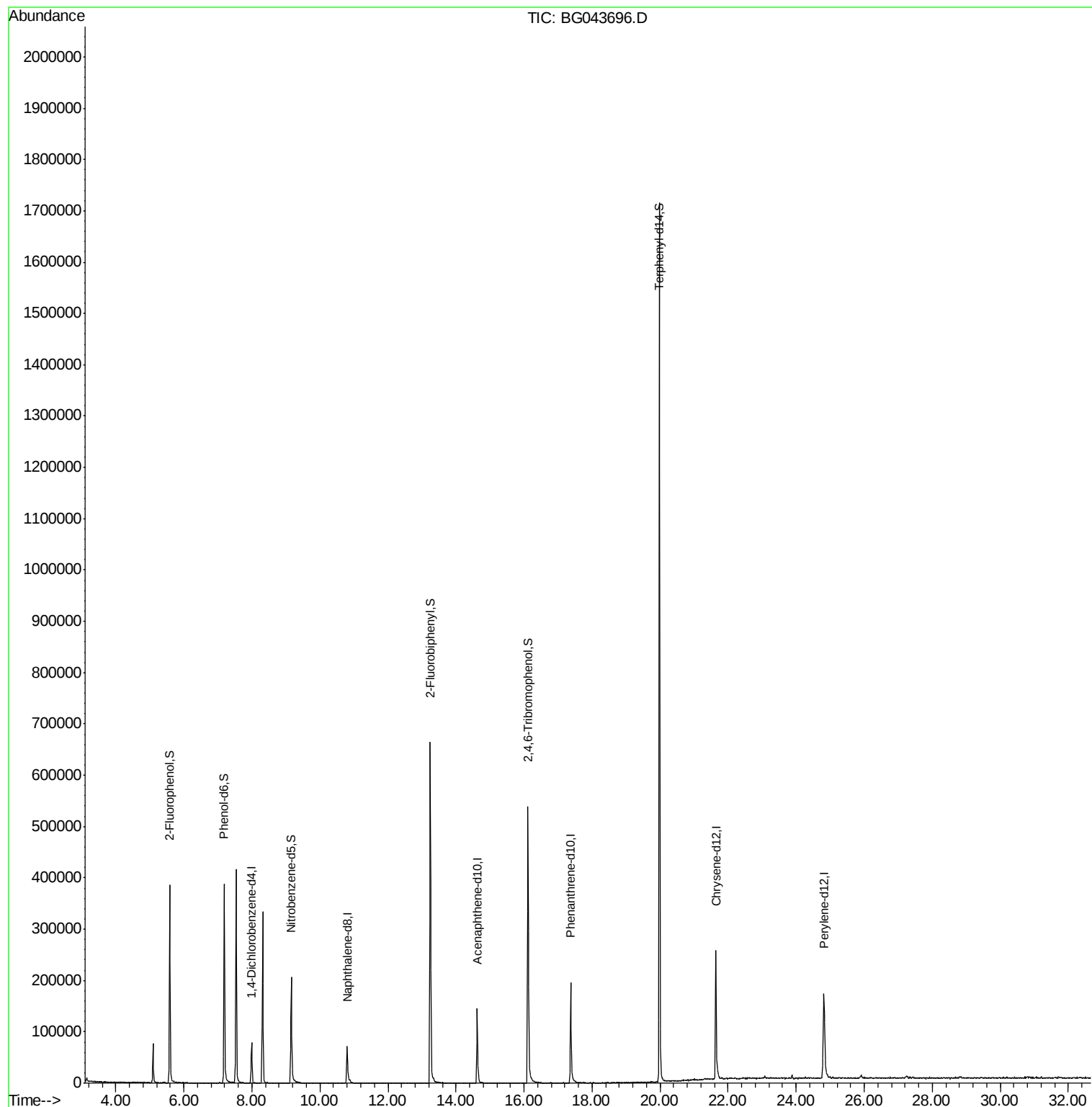
Target Compounds Qvalue

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

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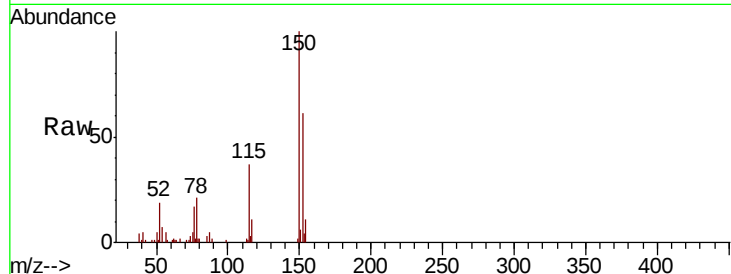


#1

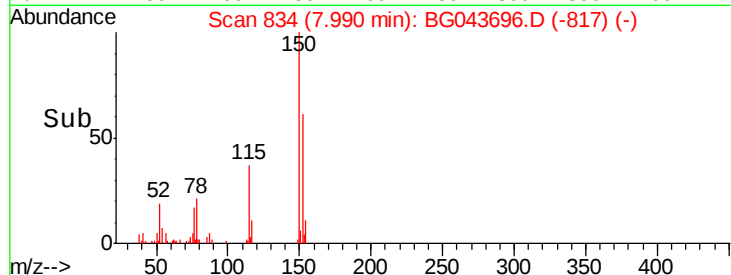
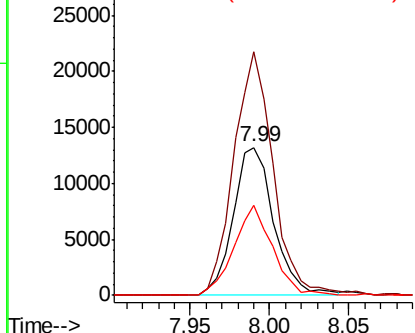
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.99 min Scan# 834  
Delta R.T. 0.00 min  
Lab File: BG043696.D  
Acq: 19 Nov 2019 13:43

Instrument :  
BNA\_G  
ClientSampleId :  
PB124838BL

Tot Ion:152 Resp: 23421  
Ion Ratio Lower Upper  
152 100  
150 164.3 116.6 175.0  
115 61.0 40.5 60.7#



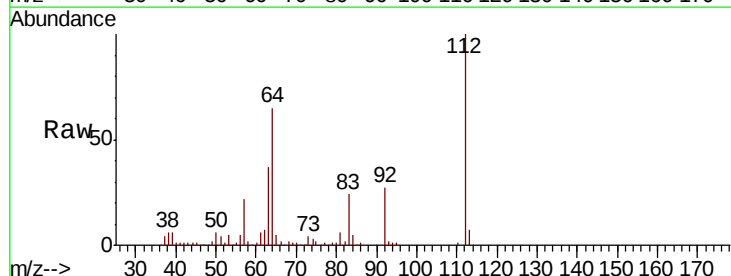
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



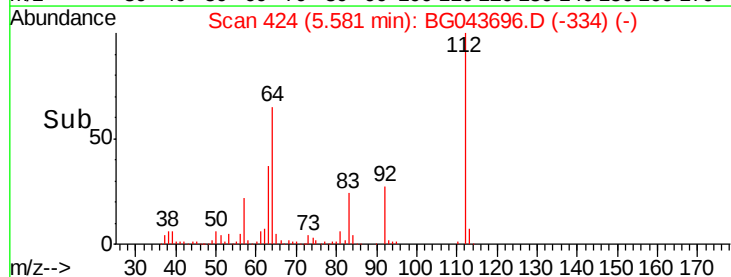
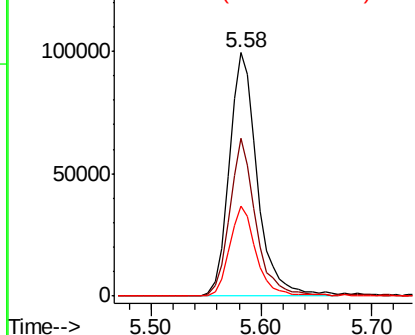
#5

2-Fluorophenol  
Concen: 138.493 ng  
RT: 5.58 min Scan# 424  
Delta R.T. 0.00 min  
Lab File: BG043696.D  
Acq: 19 Nov 2019 13:43

Tgt Ion:112 Resp: 177012  
Ion Ratio Lower Upper  
112 100  
64 64.9 50.6 75.8  
63 36.8 30.5 45.7



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: 133.538 ng

RT: 7.19 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG043696.D

Acq: 19 Nov 2019 13:43

Instrument :

BNA\_G

ClientSampleId :

PB124838BL

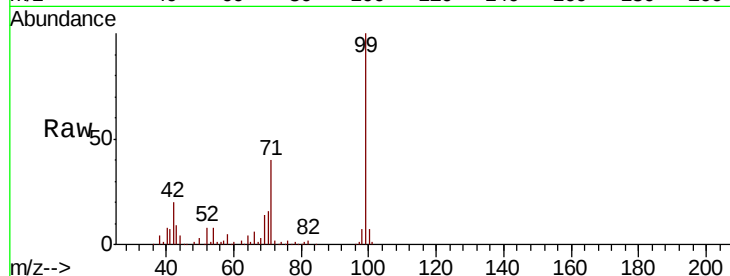
Tot Ion: 99 Resp: 245566

Ion Ratio Lower Upper

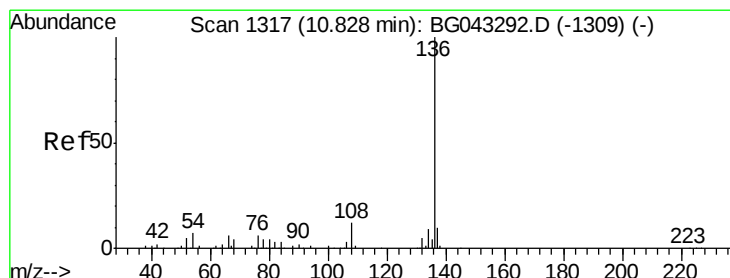
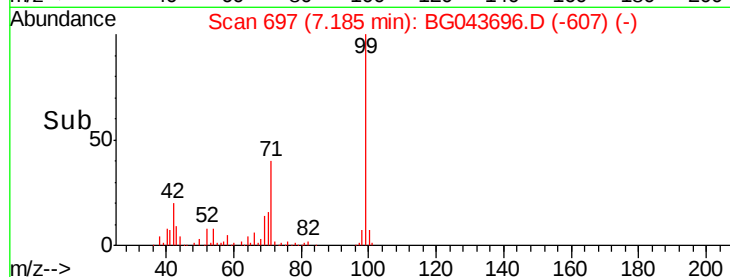
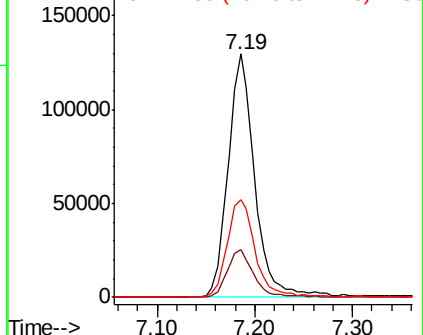
99 100

42 19.5 15.8 23.8

71 40.1 34.4 51.6



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: 10.80 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BG043696.D

Acq: 19 Nov 2019 13:43

Tgt Ion: 136 Resp: 80919

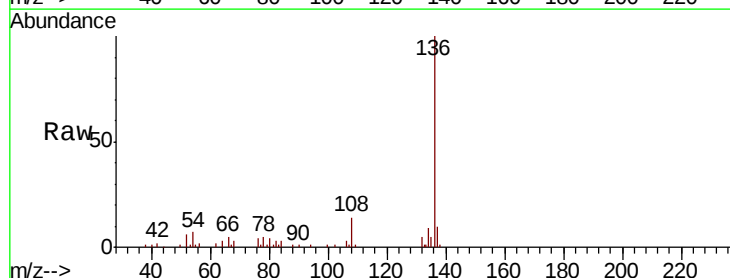
Ion Ratio Lower Upper

136 100

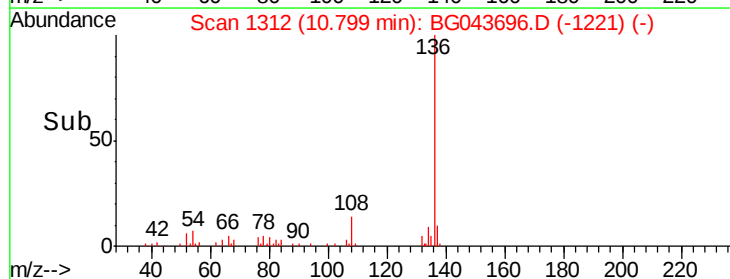
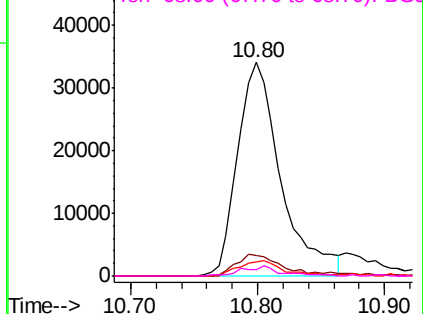
137 9.6 8.8 13.2

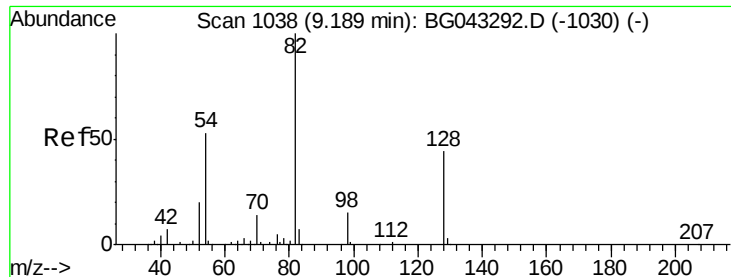
54 6.9 6.2 9.2

68 3.3 3.4 5.0#



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

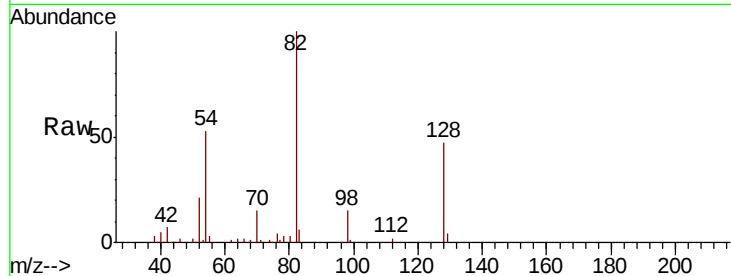




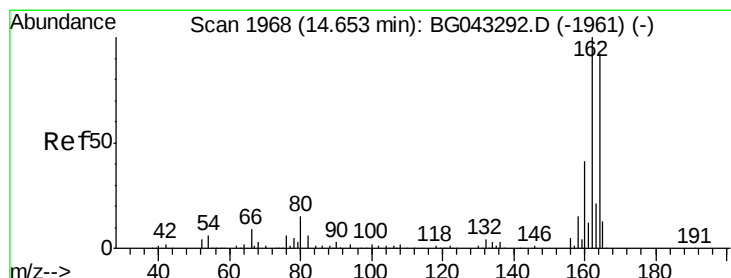
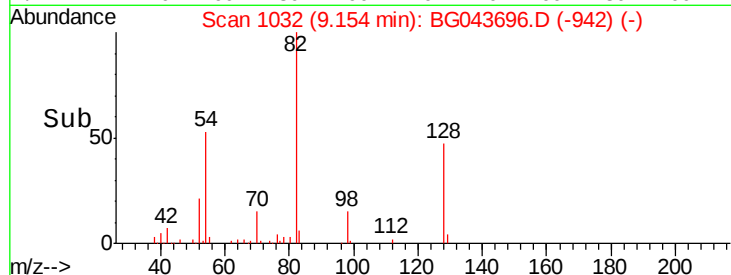
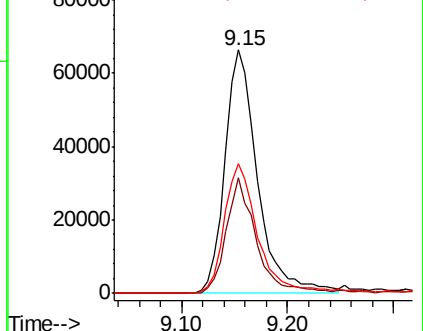
#23  
Nitrobenzene-d5  
Concen: 90.519 ng  
RT: 9.15 min Scan# 1032  
Delta R.T. 0.00 min  
Lab File: BG043696.D  
Acq: 19 Nov 2019 13:43

Instrument :  
BNA\_G  
ClientSampleId :  
PB124838BL

Tot Ion: 82 Resp: 142077  
Ion Ratio Lower Upper  
82 100  
128 47.4 34.2 51.4  
54 53.3 44.7 67.1

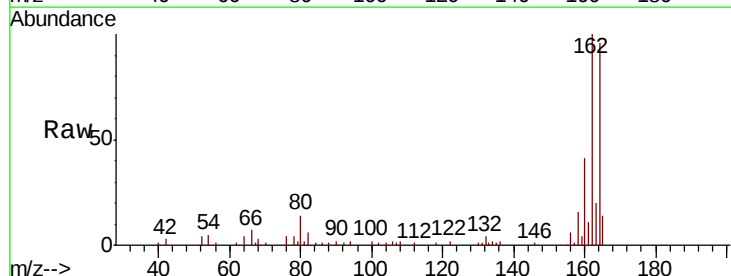


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

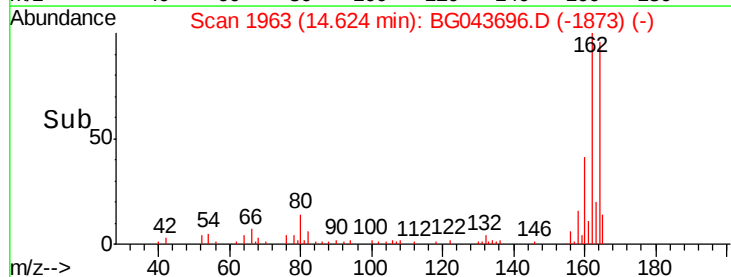
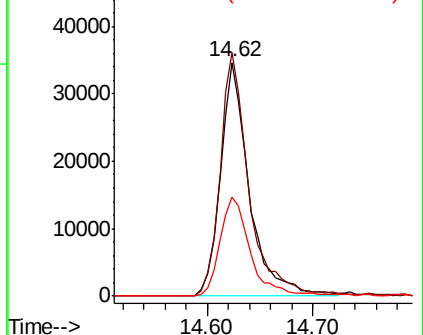


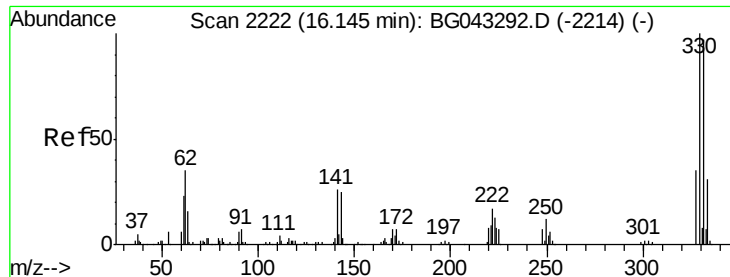
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.62 min Scan# 1963  
Delta R.T. 0.00 min  
Lab File: BG043696.D  
Acq: 19 Nov 2019 13:43

Tgt Ion:164 Resp: 65341  
Ion Ratio Lower Upper  
164 100  
162 104.3 79.4 119.2  
160 42.5 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

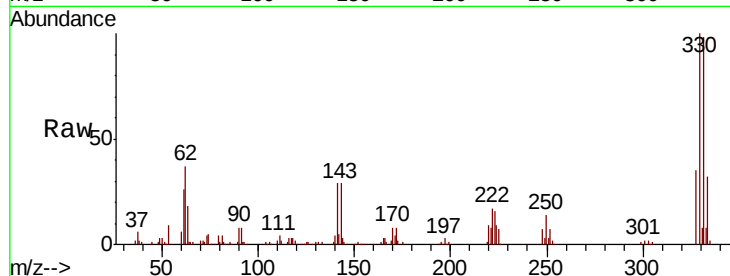




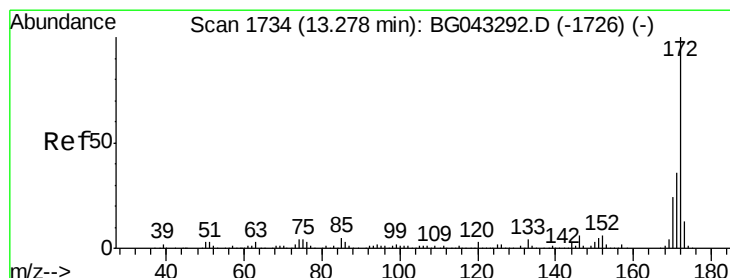
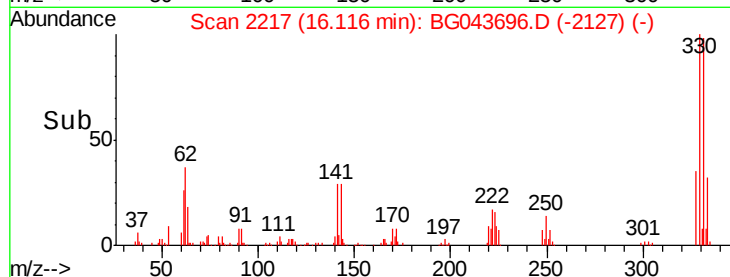
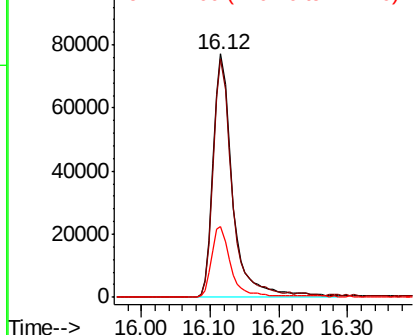
#42  
 2,4,6-Tribromophenol  
 Concen: 122.823 ng  
 RT: 16.12 min Scan# 2217  
 Delta R.T. 0.00 min  
 Lab File: BG043696.D  
 Acq: 19 Nov 2019 13:43

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB124838BL

Tot Ion:330 Resp: 152723  
 Ion Ratio Lower Upper  
 330 100  
 332 94.1 76.6 115.0  
 141 28.8 23.4 35.2

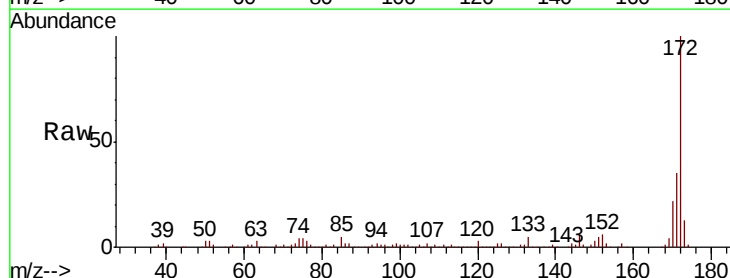


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

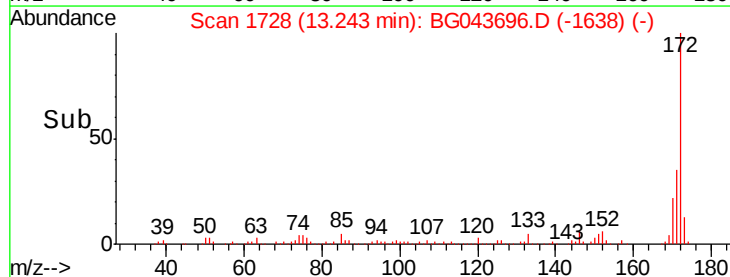
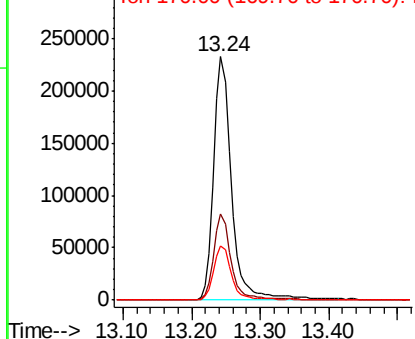


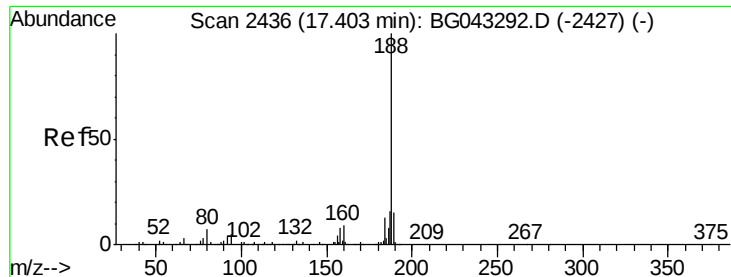
#45  
 2-Fluorobiphenyl  
 Concen: 88.957 ng  
 RT: 13.24 min Scan# 1728  
 Delta R.T. 0.00 min  
 Lab File: BG043696.D  
 Acq: 19 Nov 2019 13:43

Tgt Ion:172 Resp: 420649  
 Ion Ratio Lower Upper  
 172 100  
 171 35.1 28.1 42.1  
 170 22.0 18.8 28.2



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: 17.37 min Scan# 2431

Delta R.T. 0.01 min

Lab File: BG043696.D

Acq: 19 Nov 2019 13:43

Instrument :

BNA\_G

ClientSampleId :

PB124838BL

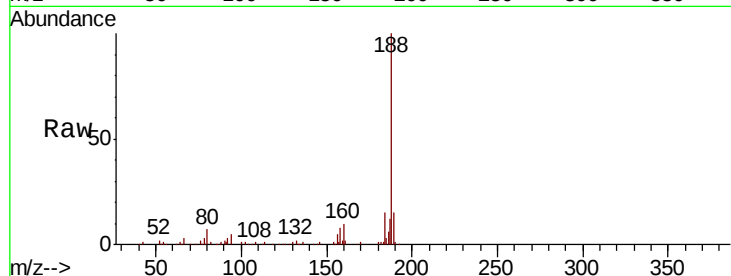
Tot Ion:188 Resp: 171426

Ion Ratio Lower Upper

188 100

94 5.4 4.6 7.0

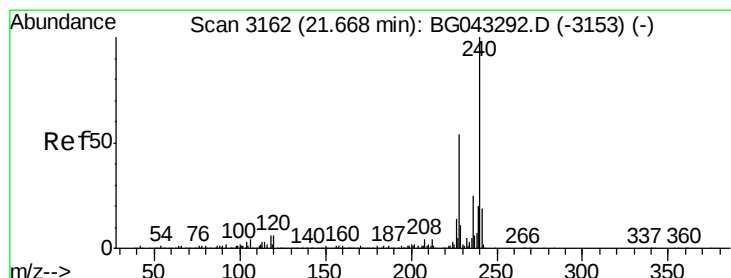
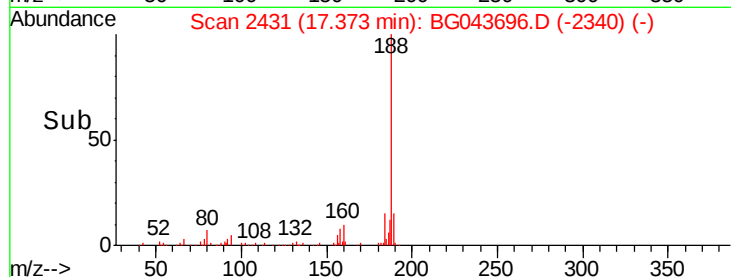
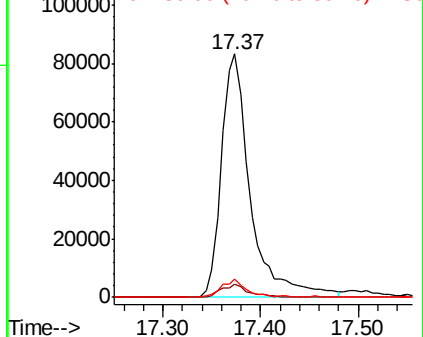
80 7.4 5.2 7.8



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: 21.64 min Scan# 3157

Delta R.T. 0.01 min

Lab File: BG043696.D

Acq: 19 Nov 2019 13:43

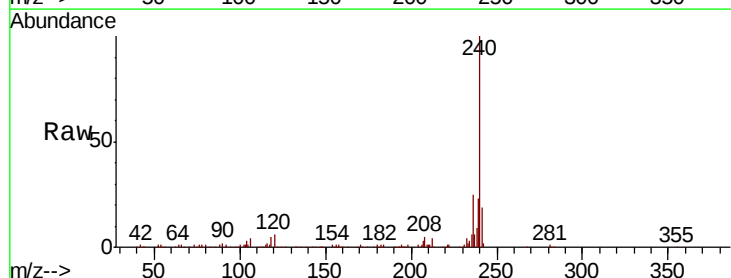
Tgt Ion:240 Resp: 200267

Ion Ratio Lower Upper

240 100

120 6.3 4.9 7.3

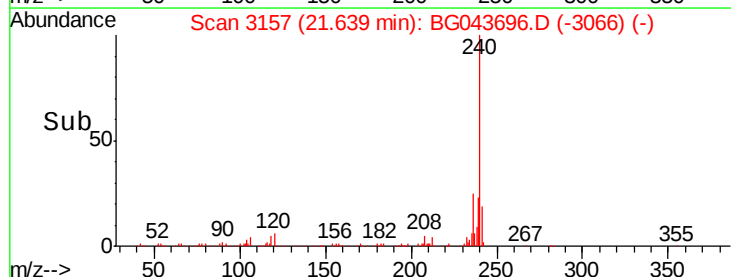
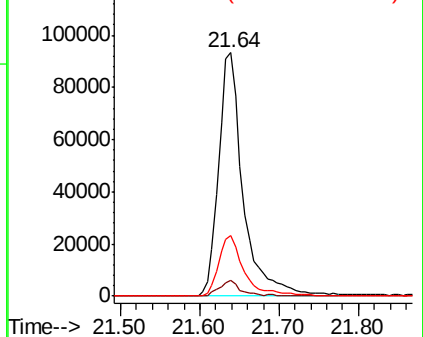
236 24.9 21.4 32.0

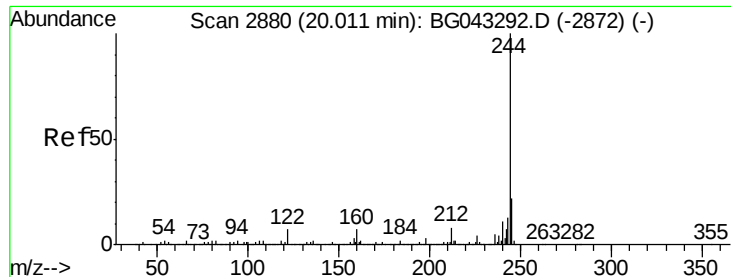


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 95.393 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.00 min

Lab File: BG043696.D

Acq: 19 Nov 2019 13:43

Instrument :

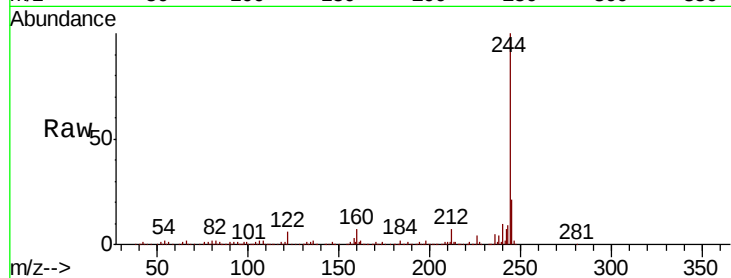
BNA\_G

ClientSampleId :

PB124838BL

Tot Ion:244 Resp: 1018309

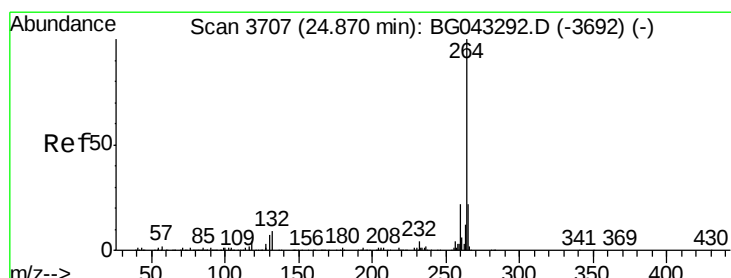
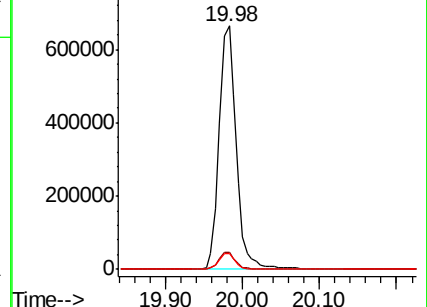
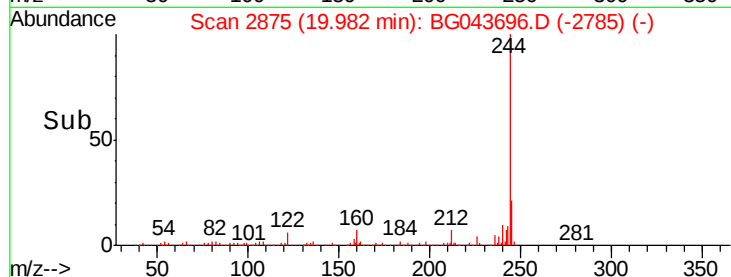
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.1   | 5.6   | 8.4   |
| 122 | 6.3   | 5.2   | 7.8   |



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: 24.82 min Scan# 3698

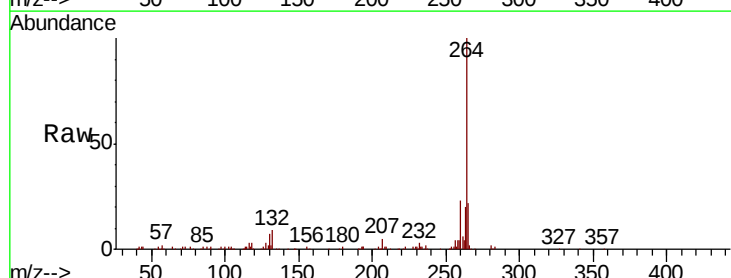
Delta R.T. 0.01 min

Lab File: BG043696.D

Acq: 19 Nov 2019 13:43

Tgt Ion:264 Resp: 206112

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.8  | 18.4  | 27.6  |
| 265 | 21.5  | 15.8  | 23.8  |



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

