

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010419\  
 Data File : BG038946.D  
 Acq On : 5 Jan 2019 1:41  
 Operator : JU/SJ  
 Sample : PB116172TB  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB116172TB

Quant Time: Jan 05 03:08:03 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 15:26:27 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 23144    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.86 | 136  | 90861    | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.69 | 164  | 65196    | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.44 | 188  | 173193   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.71 | 240  | 184272   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 25.01 | 264  | 184619   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 175281   | 134.33 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 241275   | 134.69 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.22  | 82   | 141797   | 79.73  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.18 | 330  | 136522   | 151.94 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.31 | 172  | 400130   | 84.19  | ng    | -0.01    |
| 79) Terphenyl-d14           | 20.04 | 244  | 818695   | 96.69  | ng    | 0.00     |

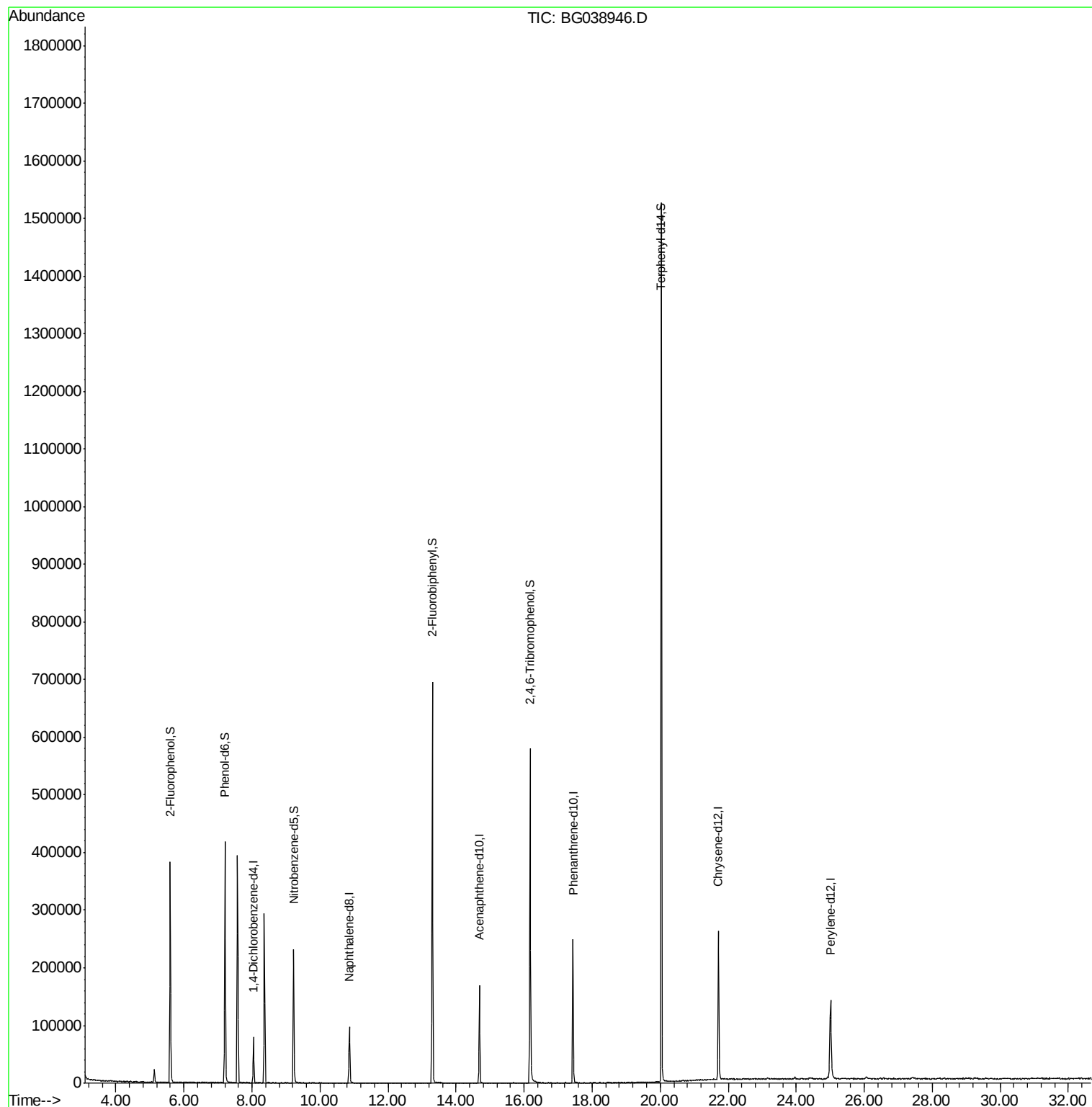
Target Compounds Qvalue

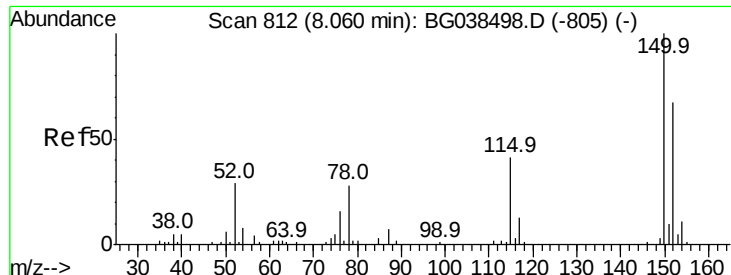
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 12 15:26:27 2018  
Response via : Initial Calibration



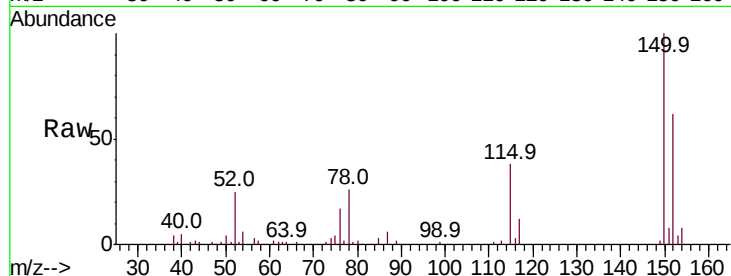


#1

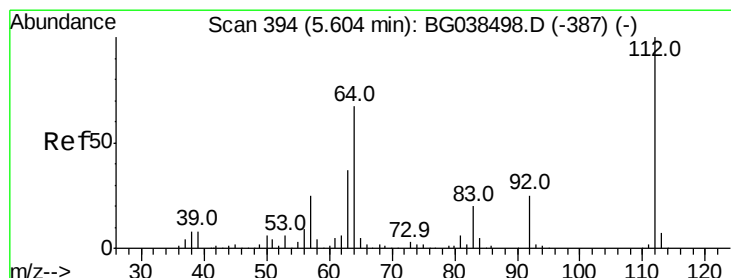
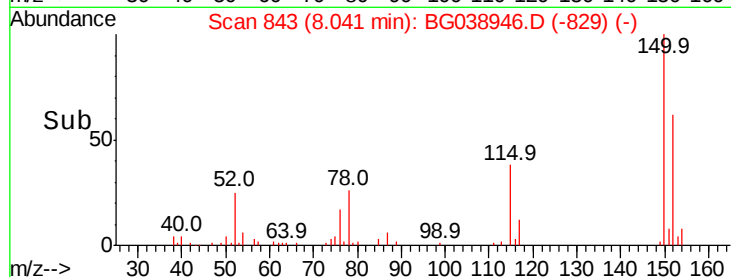
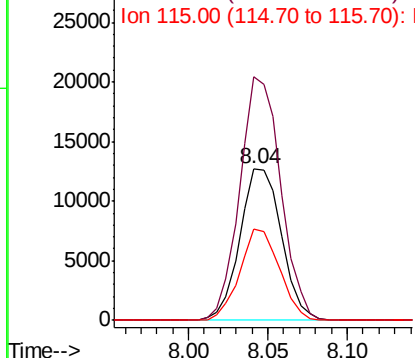
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.04 min Scan# 843  
Delta R.T. -0.02 min  
Lab File: BG038946.D  
Acq: 5 Jan 2019 1:41

Instrument :  
BNA\_G  
ClientSampleId :  
PB116172TB

Tot Ion:152 Resp: 23144  
Ion Ratio Lower Upper  
152 100  
150 160.8 119.5 179.3  
115 60.7 49.6 74.4



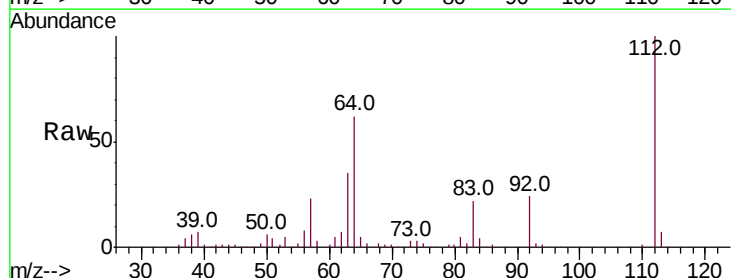
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



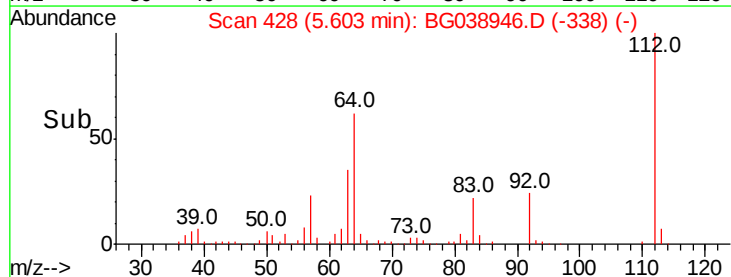
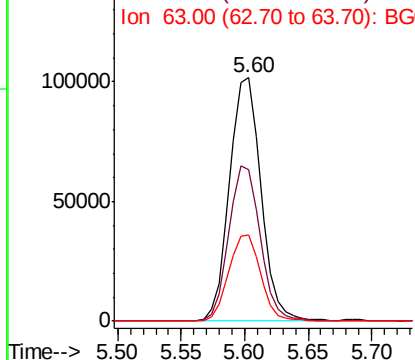
#5

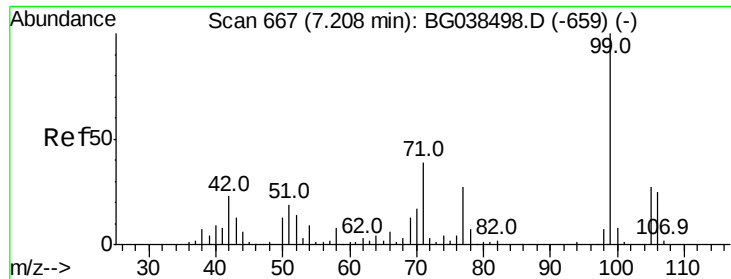
2-Fluorophenol  
Concen: 134.327 ng  
RT: 5.60 min Scan# 428  
Delta R.T. -0.00 min  
Lab File: BG038946.D  
Acq: 5 Jan 2019 1:41

Tgt Ion:112 Resp: 175281  
Ion Ratio Lower Upper  
112 100  
64 62.1 53.4 80.2  
63 35.3 29.3 43.9



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: 134.689 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038946.D

Acq: 5 Jan 2019 1:41

Instrument :

BNA\_G

ClientSampleId :

PB116172TB

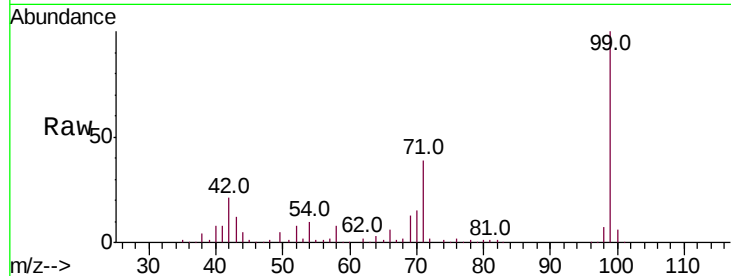
Tot Ion: 99 Resp: 241275

Ion Ratio Lower Upper

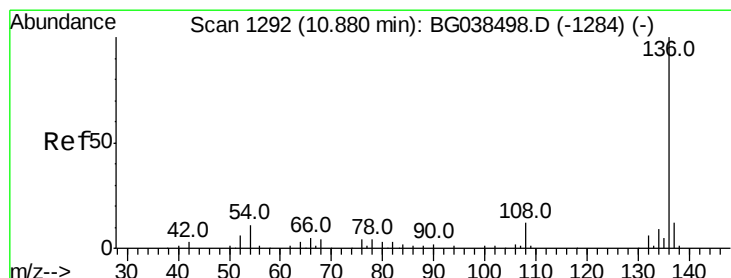
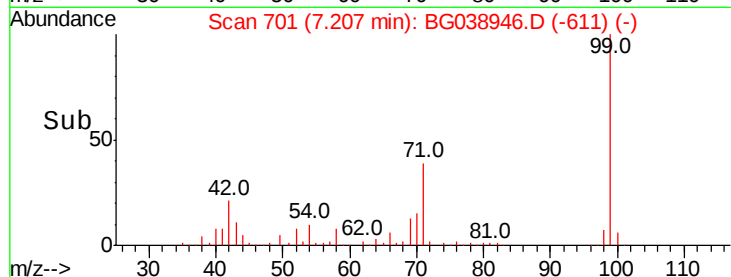
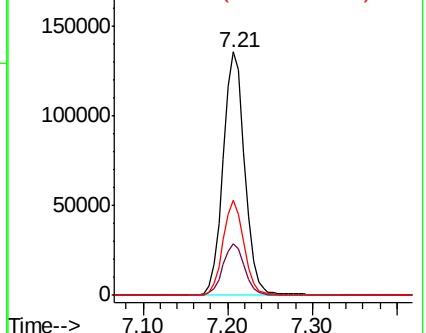
99 100

42 21.3 18.5 27.7

71 39.3 31.1 46.7



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: 10.86 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BG038946.D

Acq: 5 Jan 2019 1:41

Tgt Ion: 136 Resp: 90861

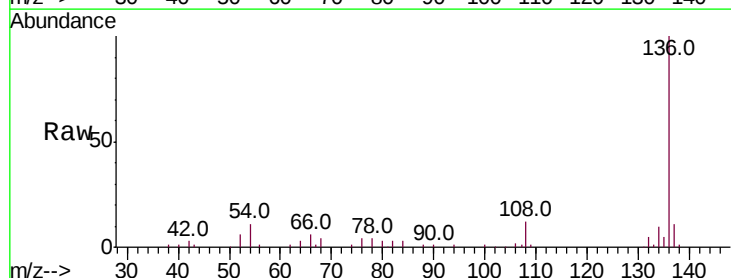
Ion Ratio Lower Upper

136 100

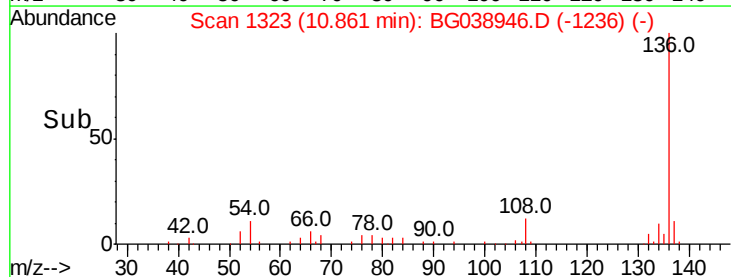
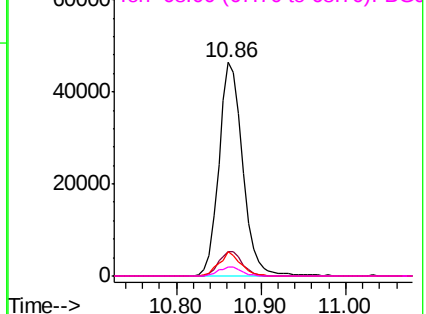
137 11.3 9.3 13.9

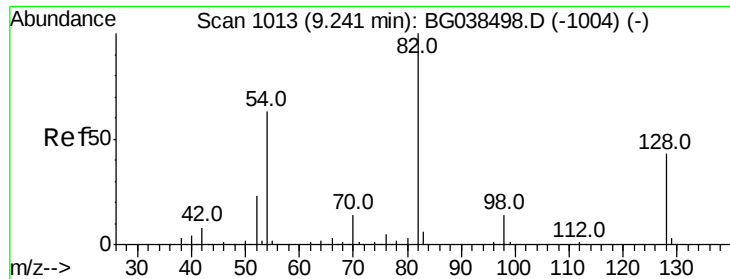
54 11.1 8.5 12.7

68 4.5 3.5 5.3



Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

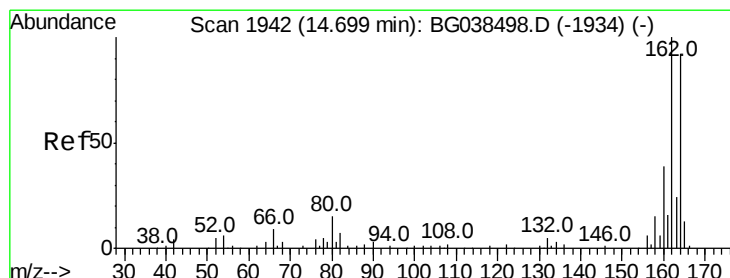
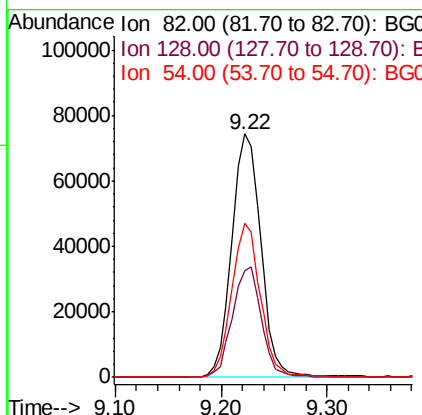
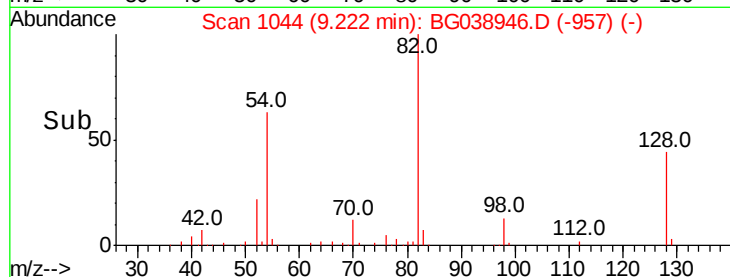
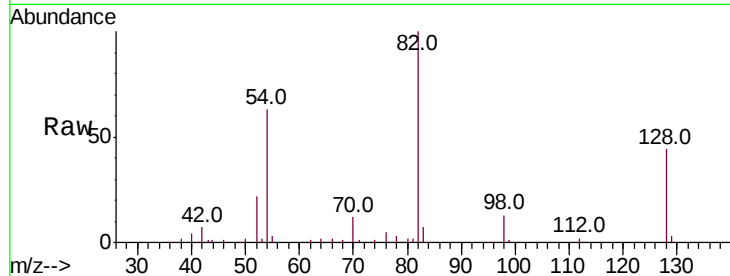




#23  
 Nitrobenzene-d5  
 Concen: 79.726 ng  
 RT: 9.22 min Scan# 1044  
 Delta R.T. -0.02 min  
 Lab File: BG038946.D  
 Acq: 5 Jan 2019 1:41

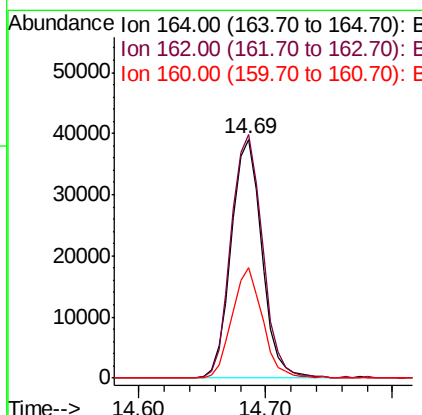
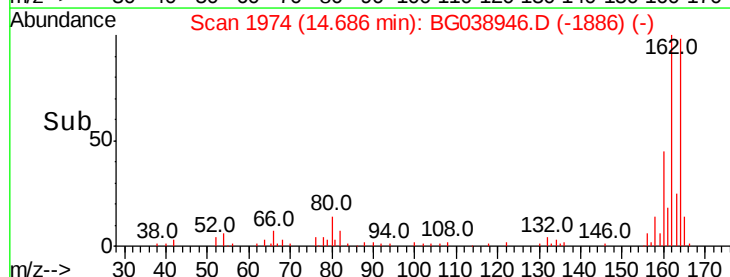
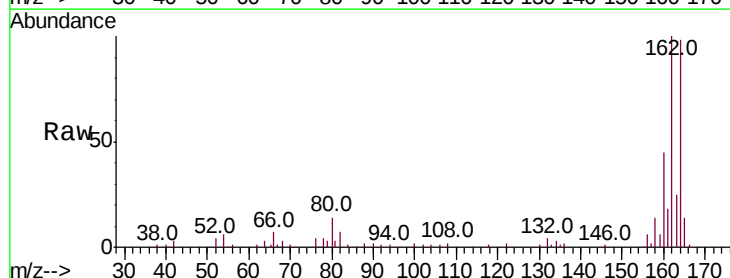
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB116172TB

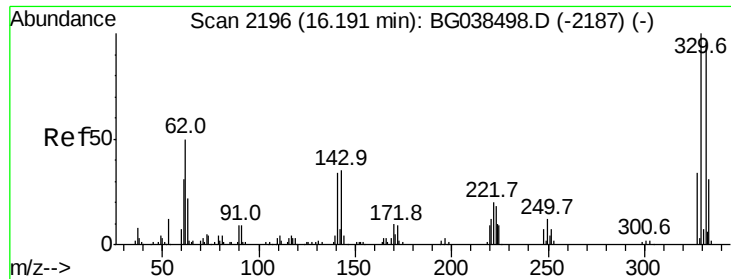
Tot Ion: 82 Resp: 141797  
 Ion Ratio Lower Upper  
 82 100  
 128 44.0 34.6 52.0  
 54 63.3 50.6 76.0



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.69 min Scan# 1974  
 Delta R.T. -0.01 min  
 Lab File: BG038946.D  
 Acq: 5 Jan 2019 1:41

Tgt Ion: 164 Resp: 65196  
 Ion Ratio Lower Upper  
 164 100  
 162 101.9 86.6 130.0  
 160 46.0 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 151.941 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BG038946.D

Acq: 5 Jan 2019 1:41

Instrument :

BNA\_G

ClientSampleId :

PB116172TB

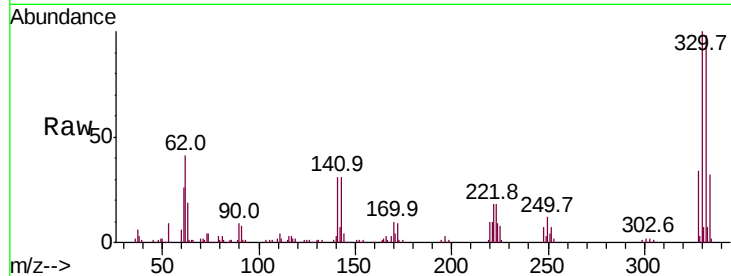
Tot Ion:330 Resp: 136522

Ion Ratio Lower Upper

330 100

332 96.2 76.9 115.3

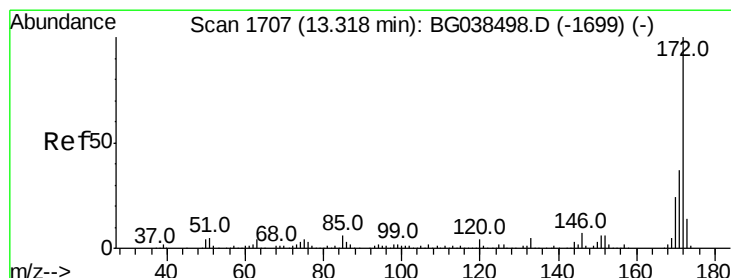
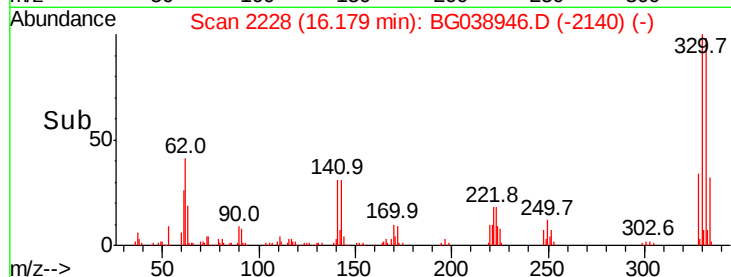
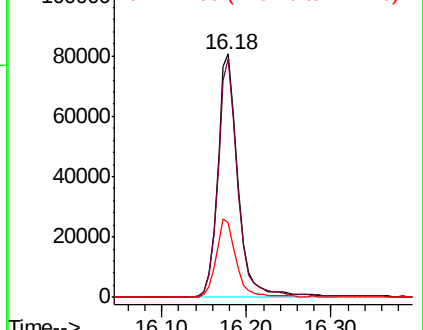
141 31.5 28.8 43.2



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: 84.195 ng

RT: 13.31 min Scan# 1739

Delta R.T. -0.01 min

Lab File: BG038946.D

Acq: 5 Jan 2019 1:41

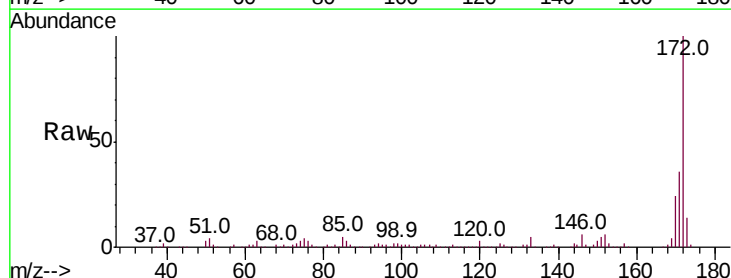
Tgt Ion:172 Resp: 400130

Ion Ratio Lower Upper

172 100

171 35.8 29.8 44.6

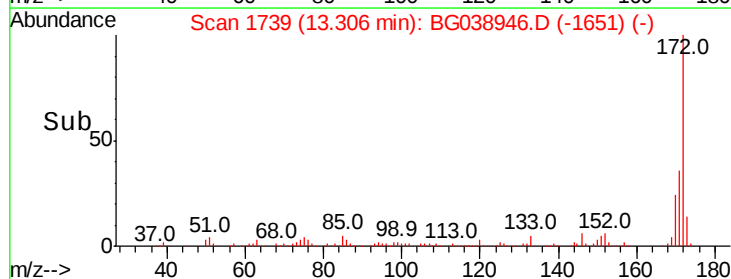
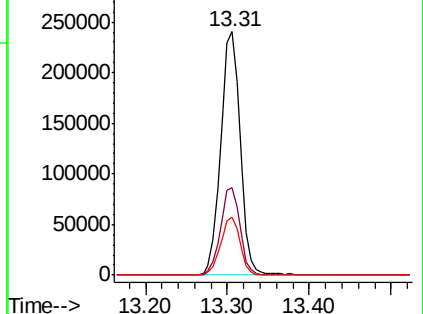
170 23.9 19.5 29.3

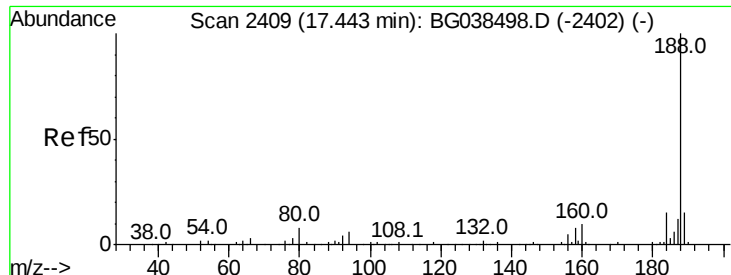


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

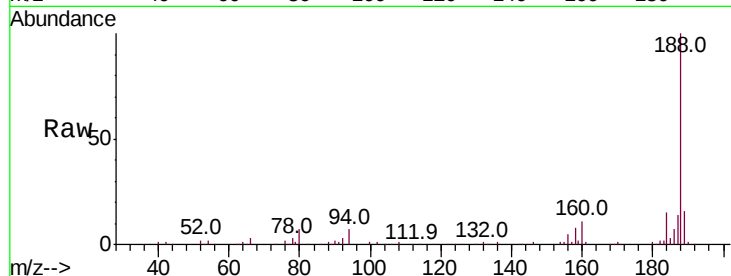




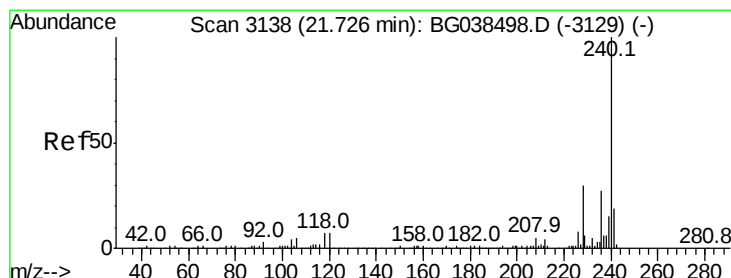
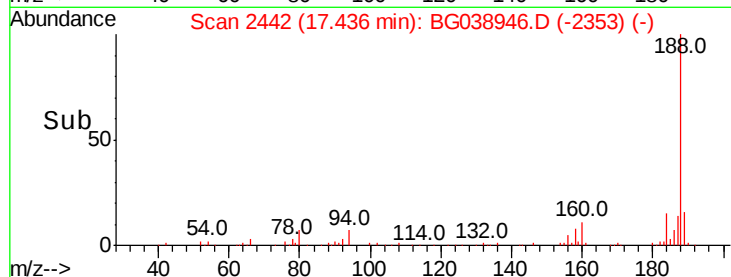
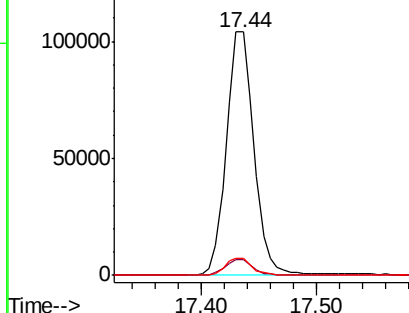
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.44 min Scan# 2442  
Delta R.T. -0.01 min  
Lab File: BG038946.D  
Acq: 5 Jan 2019 1:41

Instrument :  
BNA\_G  
ClientSampleId :  
PB116172TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.6   | 5.1   | 7.7   |
| 80      | 6.9   | 6.1   | 9.1   |

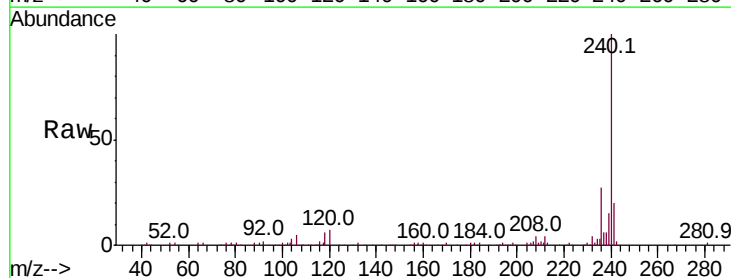


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BG  
Ion 80.00 (79.70 to 80.70): BG

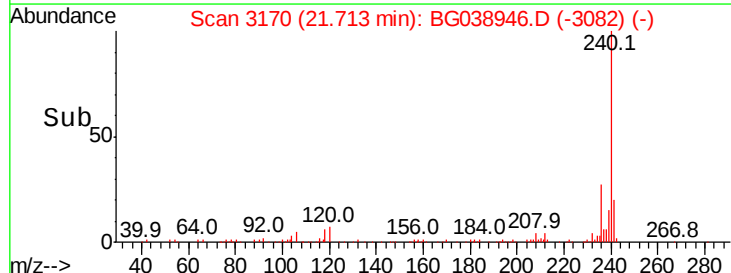
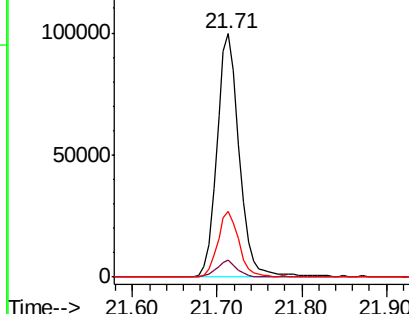


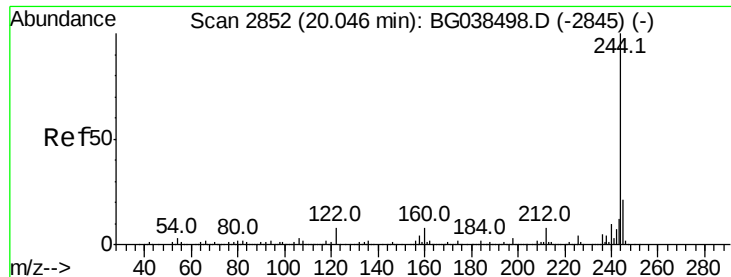
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.71 min Scan# 3170  
Delta R.T. -0.01 min  
Lab File: BG038946.D  
Acq: 5 Jan 2019 1:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 7.0   | 5.3   | 7.9   |
| 236     | 27.1  | 21.4  | 32.2  |



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: 96.691 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038946.D

Acq: 5 Jan 2019 1:41

Instrument :

BNA\_G

ClientSampleId :

PB116172TB

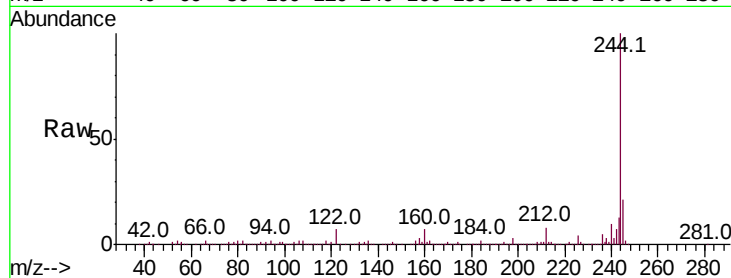
Tot Ion:244 Resp: 818695

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

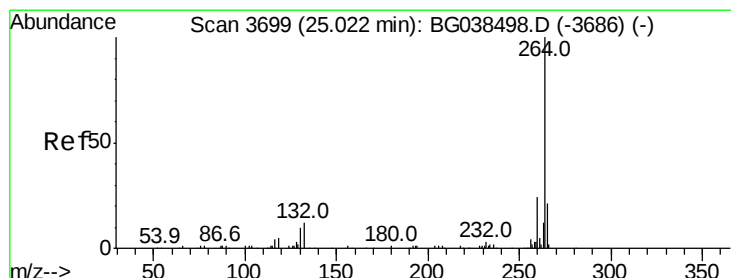
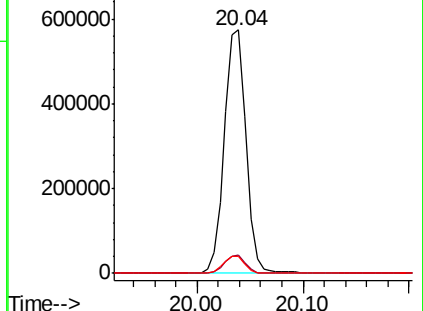
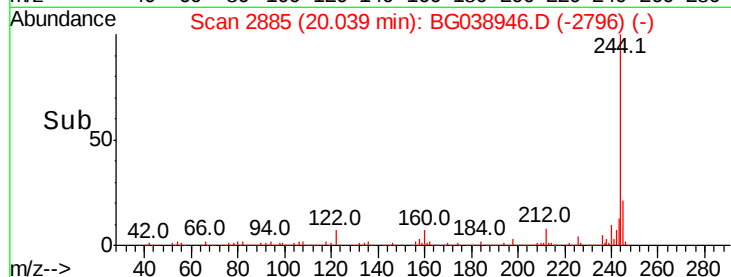
122 6.8 6.3 9.5



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: 25.01 min Scan# 3731

Delta R.T. -0.01 min

Lab File: BG038946.D

Acq: 5 Jan 2019 1:41

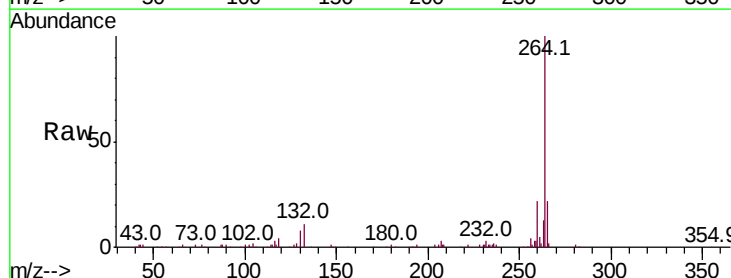
Tgt Ion:264 Resp: 184619

Ion Ratio Lower Upper

264 100

260 21.9 18.9 28.3

265 22.0 17.0 25.4



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

