

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110518\  
 Data File : BG037812.D  
 Acq On : 5 Nov 2018 21:02  
 Operator : JU/SJ  
 Sample : J5794-12  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-10B-S

Quant Time: Nov 06 04:57:07 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.09  | 152  | 54640    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.91 | 136  | 245810   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.73 | 164  | 160450   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.48 | 188  | 356226   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.76 | 240  | 316248   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 25.10 | 264  | 232089   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 347891   | 106.45 | ng    | -0.01    |
| 7) Phenol-d6                | 7.24  | 99   | 447590   | 90.57  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 355187   | 80.95  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.22 | 330  | 160770   | 91.87  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.35 | 172  | 889685   | 83.61  | ng    | -0.02    |
| 79) Terphenyl-d14           | 20.07 | 244  | 1259226  | 85.08  | ng    | -0.02    |

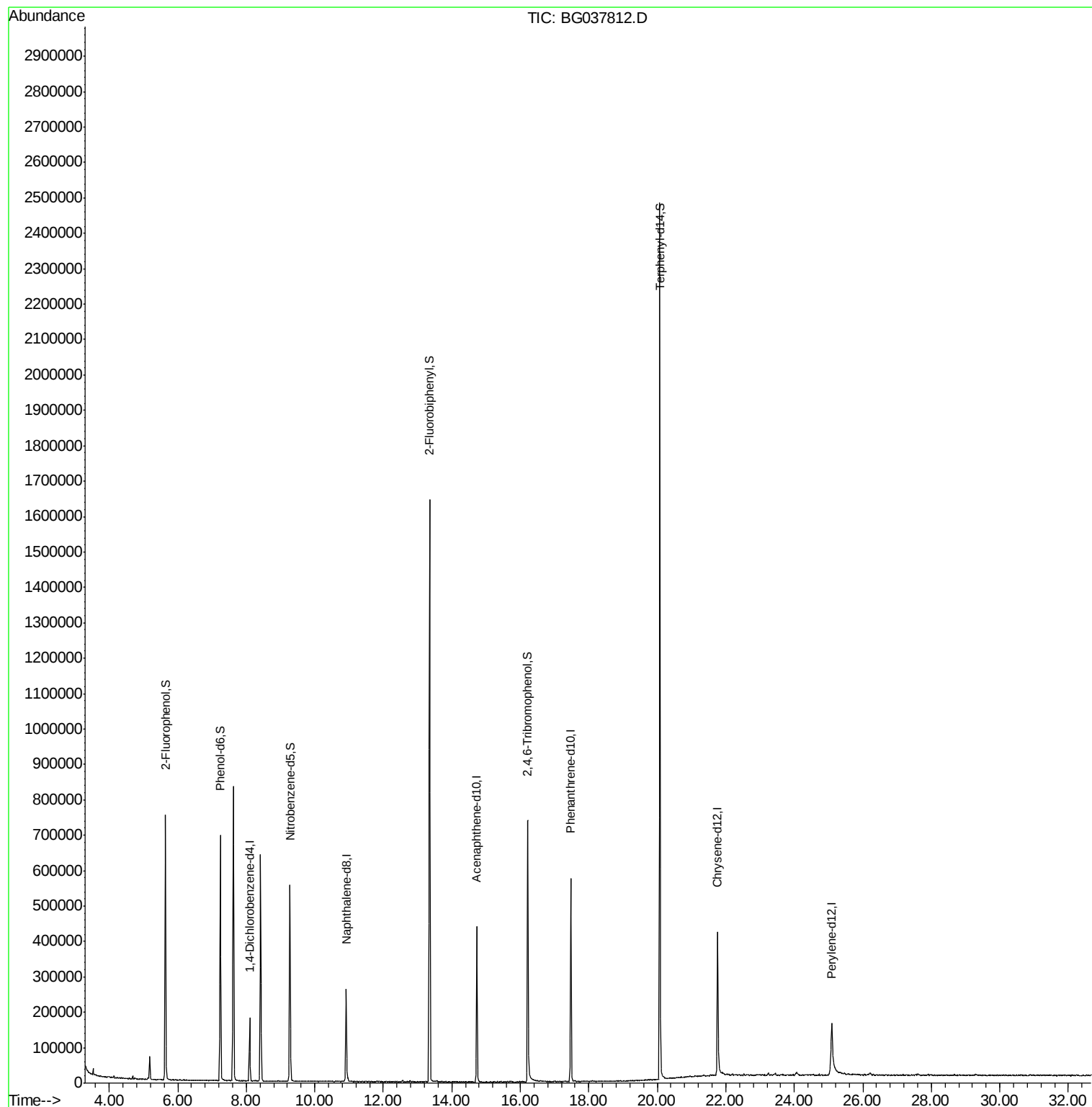
Target Compounds Qvalue

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

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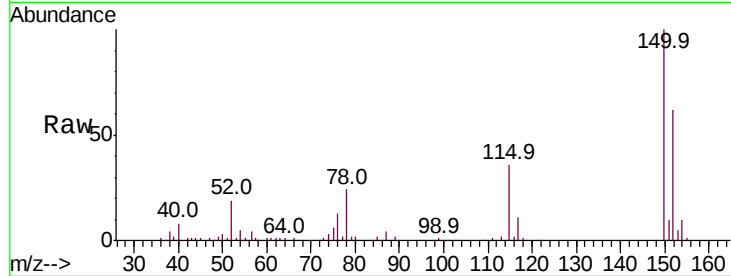


#1

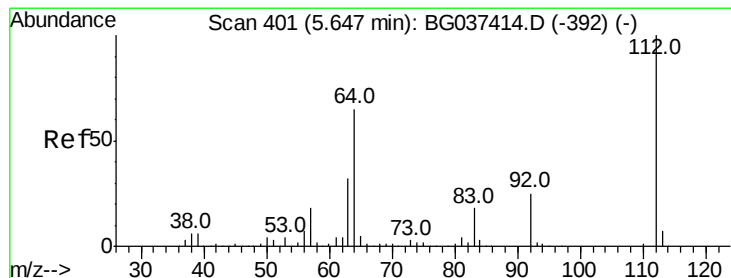
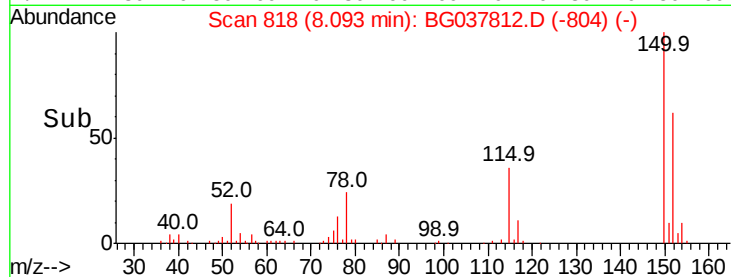
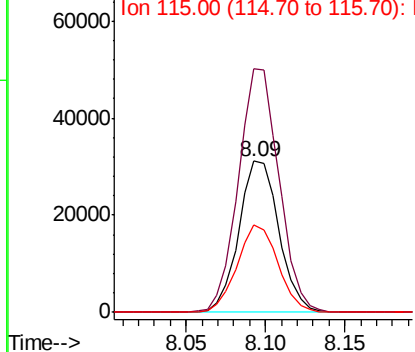
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.09 min Scan# 818  
Delta R.T. -0.02 min  
Lab File: BG037812.D  
Acq: 5 Nov 2018 21:02

Instrument :  
BNA\_G  
ClientSampleId :  
TP-10B-S

Tot Ion:152 Resp: 54640  
Ion Ratio Lower Upper  
152 100  
150 160.9 126.0 189.0  
115 57.9 45.5 68.3



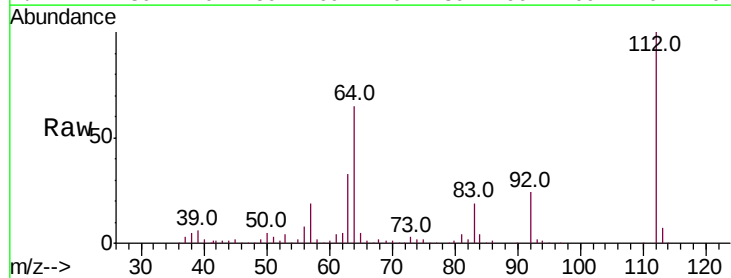
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



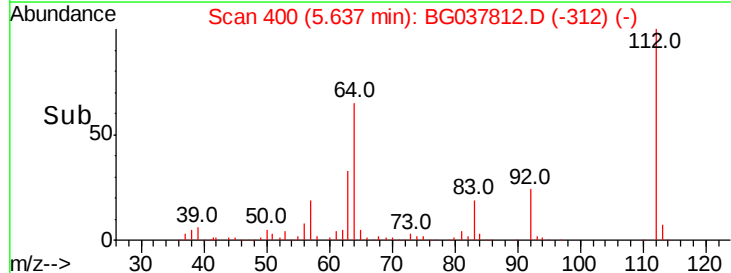
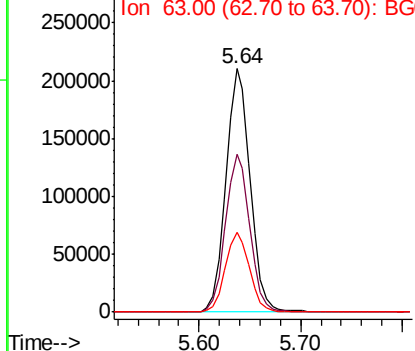
#5

2-Fluorophenol  
Concen: 106.446 ng  
RT: 5.64 min Scan# 400  
Delta R.T. -0.01 min  
Lab File: BG037812.D  
Acq: 5 Nov 2018 21:02

Tgt Ion:112 Resp: 347891  
Ion Ratio Lower Upper  
112 100  
64 65.1 53.1 79.7  
63 32.7 27.3 40.9



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: 90.569 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037812.D

Acq: 5 Nov 2018 21:02

Instrument :

BNA\_G

ClientSampleId :

TP-10B-S

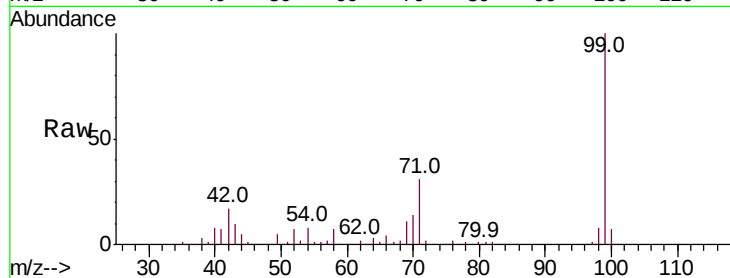
Tot Ion: 99 Resp: 447590

Ion Ratio Lower Upper

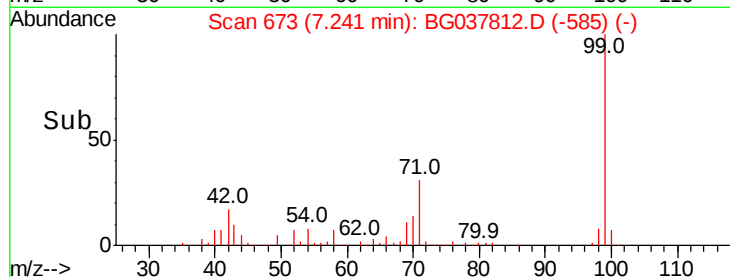
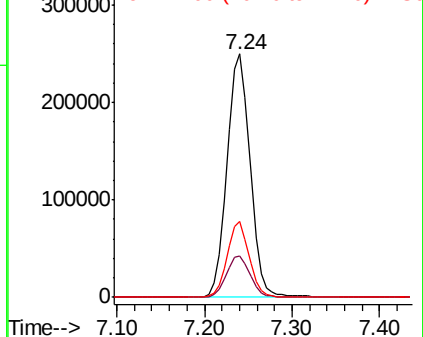
99 100

42 17.2 15.0 22.4

71 31.0 25.5 38.3



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: 10.91 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BG037812.D

Acq: 5 Nov 2018 21:02

Tgt Ion: 136 Resp: 245810

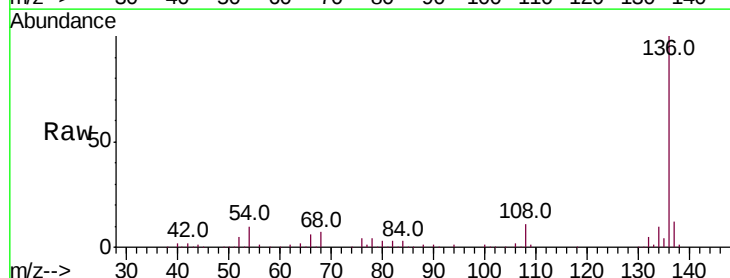
Ion Ratio Lower Upper

136 100

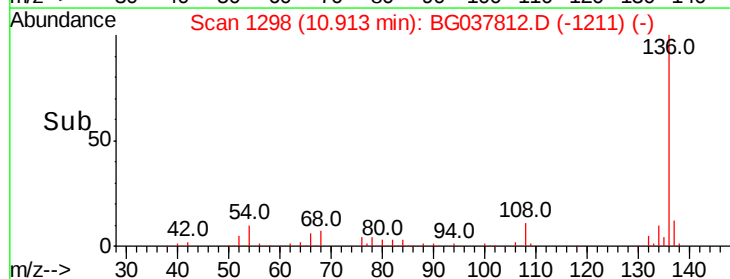
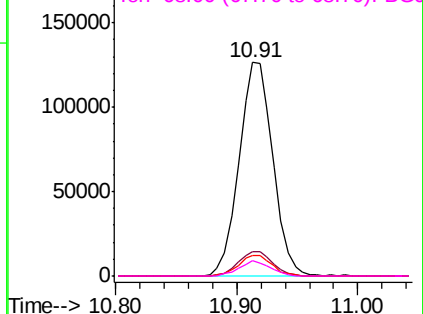
137 11.6 9.6 14.4

54 9.8 7.9 11.9

68 7.3 4.8 7.2#



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: 80.945 ng

RT: 9.27 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BG037812.D

Acq: 5 Nov 2018 21:02

Instrument :

BNA\_G

ClientSampleId :

TP-10B-S

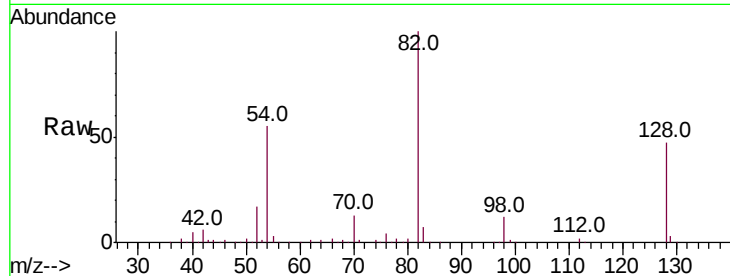
Tot Ion: 82 Resp: 355187

Ion Ratio Lower Upper

82 100

128 46.8 34.6 51.8

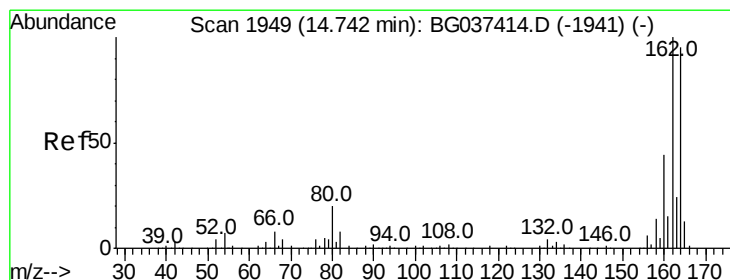
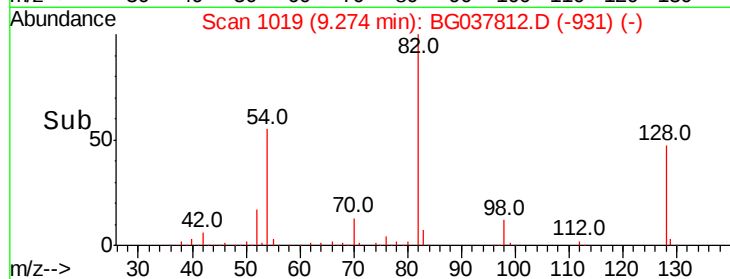
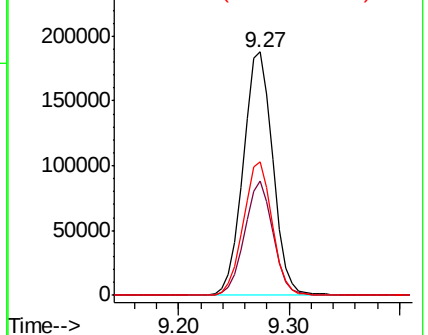
54 55.0 45.3 67.9



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: 14.73 min Scan# 1947

Delta R.T. -0.02 min

Lab File: BG037812.D

Acq: 5 Nov 2018 21:02

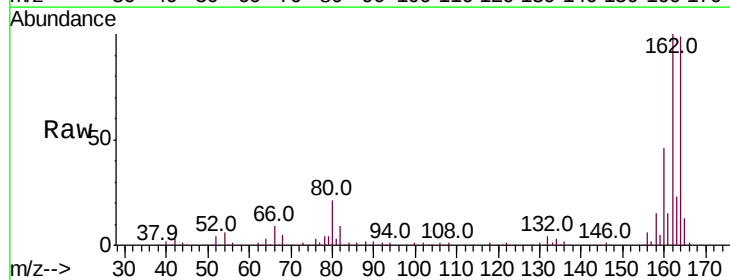
Tgt Ion: 164 Resp: 160450

Ion Ratio Lower Upper

164 100

162 100.6 81.3 121.9

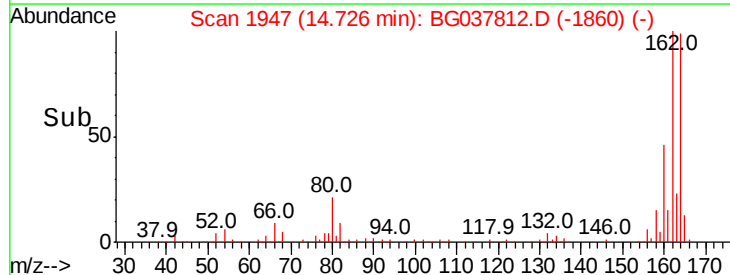
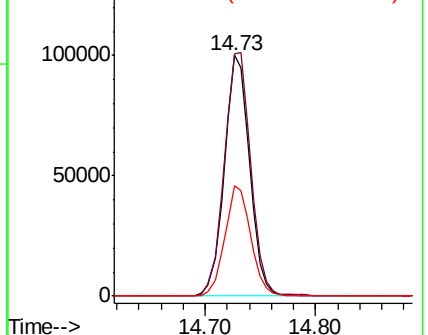
160 45.8 36.3 54.5

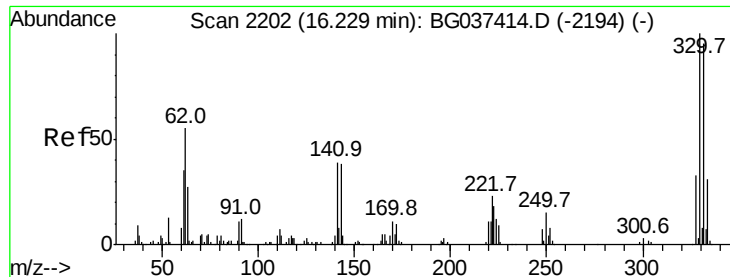


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

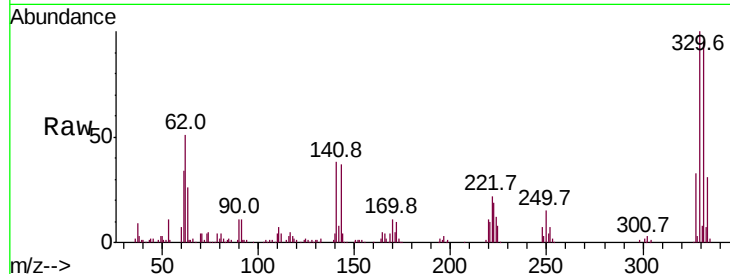




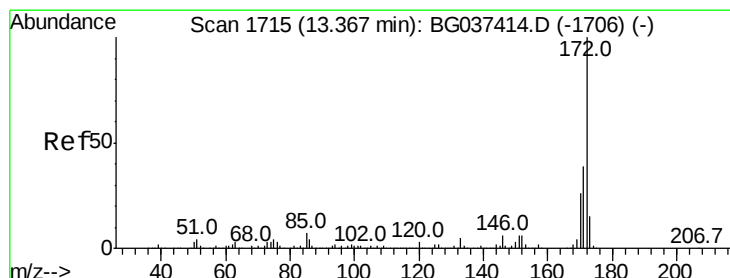
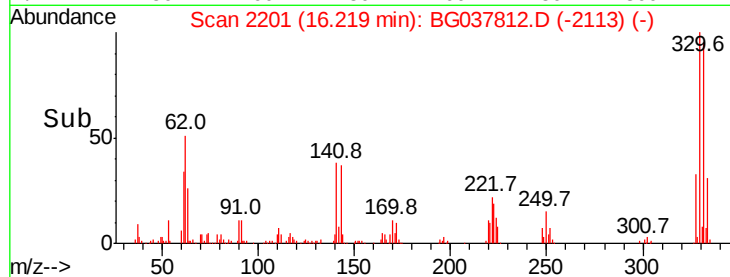
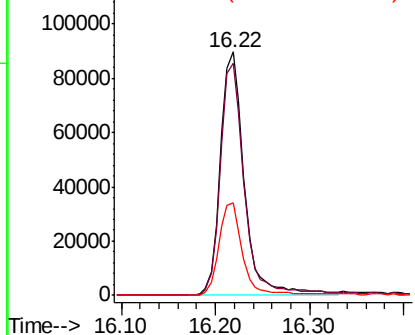
#42  
 2,4,6-Tribromophenol  
 Concen: 91.868 ng  
 RT: 16.22 min Scan# 2201  
 Delta R.T. -0.01 min  
 Lab File: BG037812.D  
 Acq: 5 Nov 2018 21:02

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-10B-S

Tot Ion:330 Resp: 160770  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 78.4 117.6  
 141 37.9 32.2 48.2

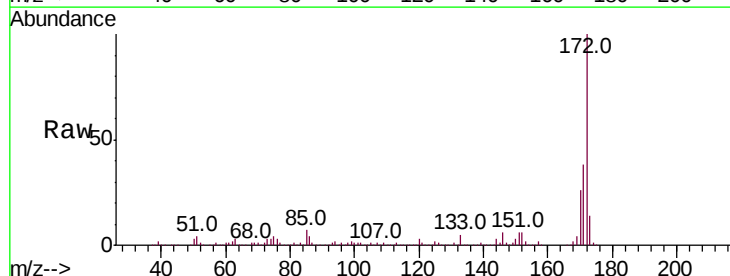


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

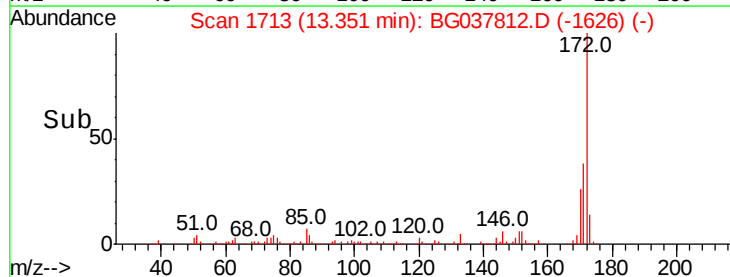
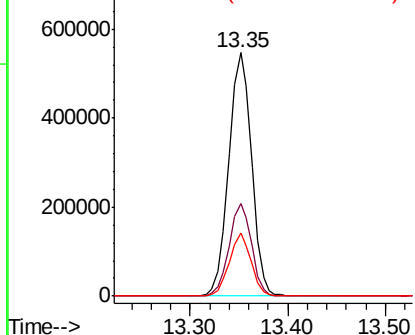


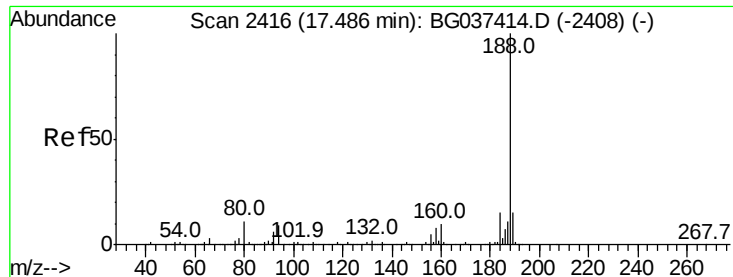
#45  
 2-Fluorobiphenyl  
 Concen: 83.615 ng  
 RT: 13.35 min Scan# 1713  
 Delta R.T. -0.02 min  
 Lab File: BG037812.D  
 Acq: 5 Nov 2018 21:02

Tgt Ion:172 Resp: 889685  
 Ion Ratio Lower Upper  
 172 100  
 171 38.2 31.0 46.4  
 170 25.9 20.2 30.2



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: 17.48 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BG037812.D

Acq: 5 Nov 2018 21:02

Instrument :

BNA\_G

ClientSampleId :

TP-10B-S

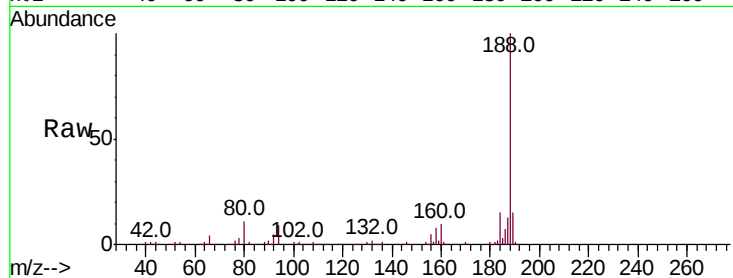
Tot Ion:188 Resp: 356226

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

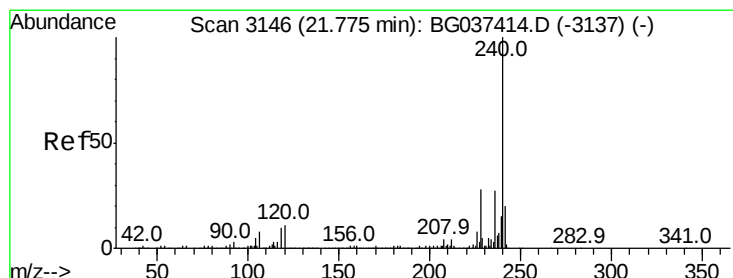
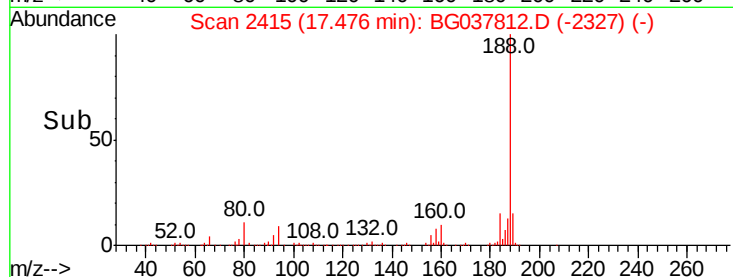
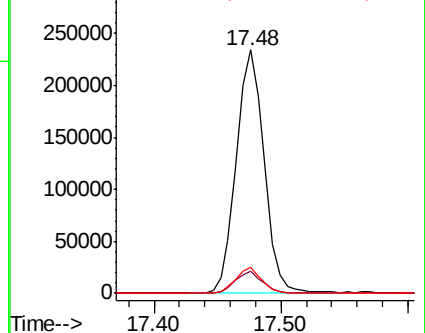
80 10.9 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3144

Delta R.T. -0.02 min

Lab File: BG037812.D

Acq: 5 Nov 2018 21:02

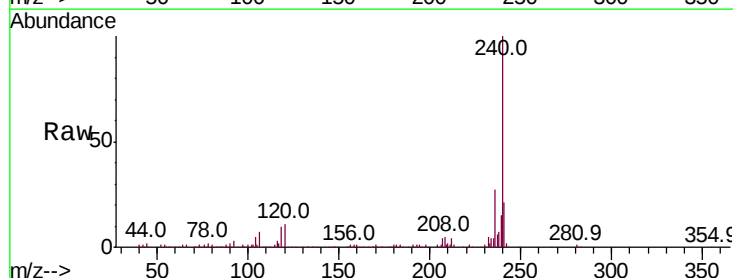
Tgt Ion:240 Resp: 316248

Ion Ratio Lower Upper

240 100

120 10.8 8.1 12.1

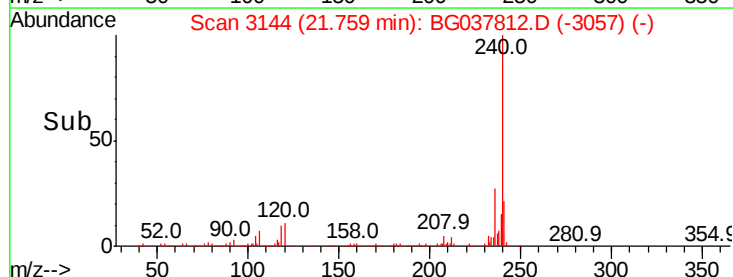
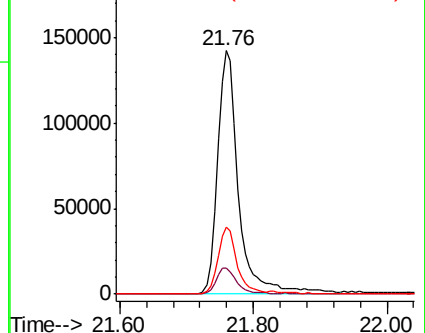
236 27.4 21.4 32.0

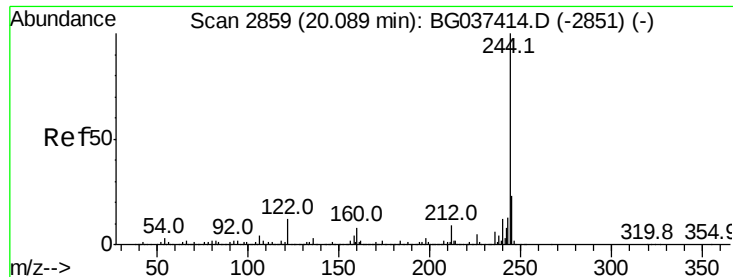


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 85.081 ng

RT: 20.07 min Scan# 2857

Delta R.T. -0.02 min

Lab File: BG037812.D

Acq: 5 Nov 2018 21:02

Instrument :

BNA\_G

ClientSampleId :

TP-10B-S

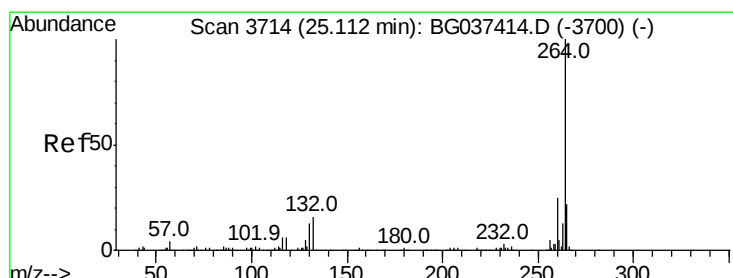
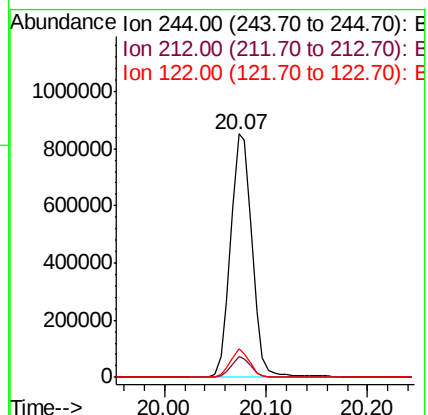
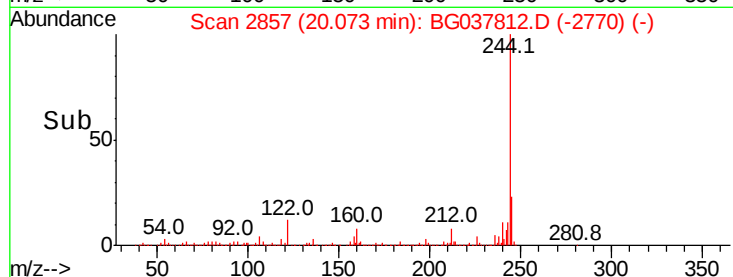
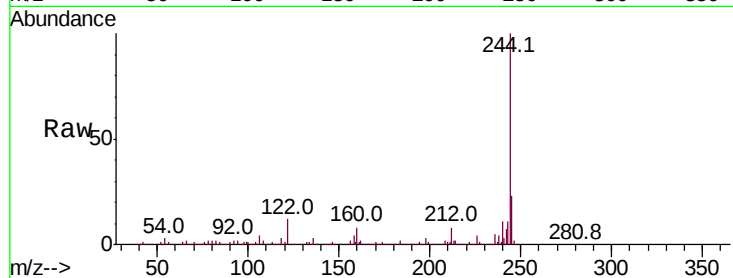
Tot Ion:244 Resp: 1259226

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

122 11.6 9.0 13.4



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3712

Delta R.T. -0.02 min

Lab File: BG037812.D

Acq: 5 Nov 2018 21:02

Tgt Ion:264 Resp: 232089

Ion Ratio Lower Upper

264 100

260 21.2 18.2 27.4

265 20.9 17.9 26.9

