

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110718\  
 Data File : BG037860.D  
 Acq On : 7 Nov 2018 11:33  
 Operator : JU/SJ  
 Sample : J5820-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CPS043085

Quant Time: Nov 07 13:17:44 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   | 8.10  | 152  | 64327    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.91 | 136  | 288182   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.72 | 164  | 190282   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.47 | 188  | 415570   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.76 | 240  | 360779   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 25.09 | 264  | 305430   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 231422   | 60.15  | ng    | -0.01    |
| 7) Phenol-d6                | 7.23  | 99   | 214417   | 36.85  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 437481   | 85.04  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.22 | 330  | 236661   | 114.03 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.35 | 172  | 1052365  | 83.40  | ng    | -0.02    |
| 79) Terphenyl-d14           | 20.08 | 244  | 1472634  | 87.22  | ng    | -0.01    |

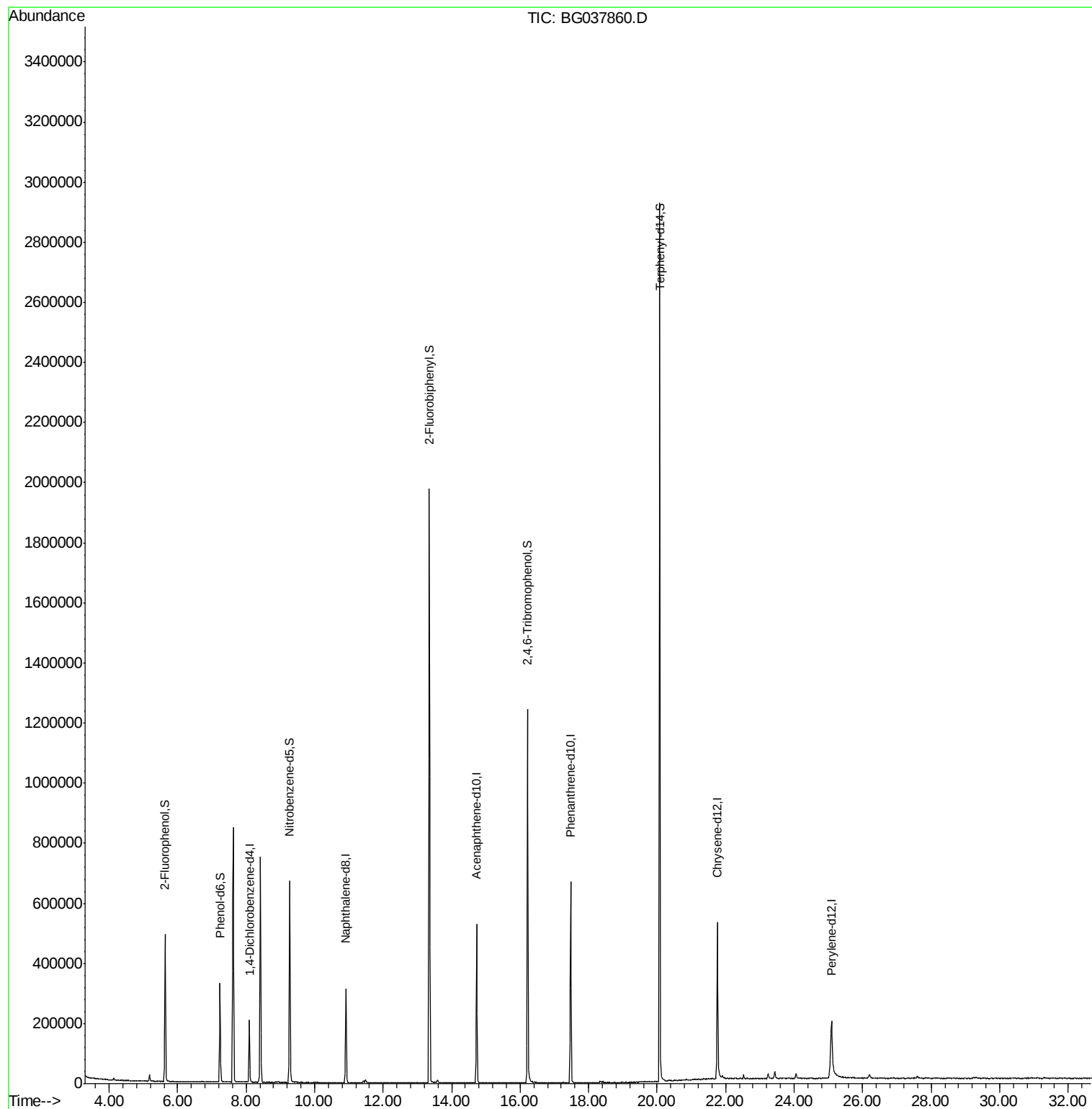
Target Compounds Qvalue

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

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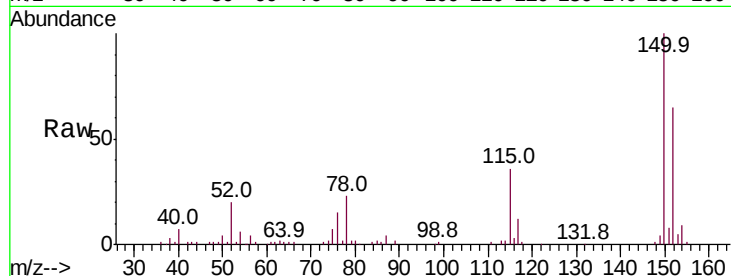


#1

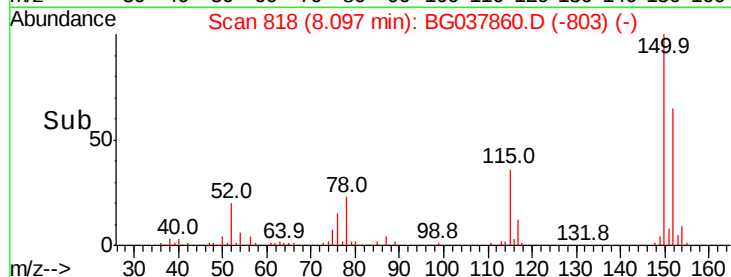
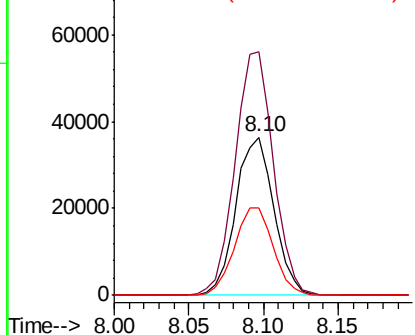
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.10 min Scan# 818  
Delta R.T. -0.01 min  
Lab File: BG037860.D  
Acq: 7 Nov 2018 11:33

Instrument :  
BNA\_G  
ClientSampleId :  
CPS043085

Tot Ion:152 Resp: 64327  
Ion Ratio Lower Upper  
152 100  
150 153.8 126.0 189.0  
115 55.0 45.5 68.3



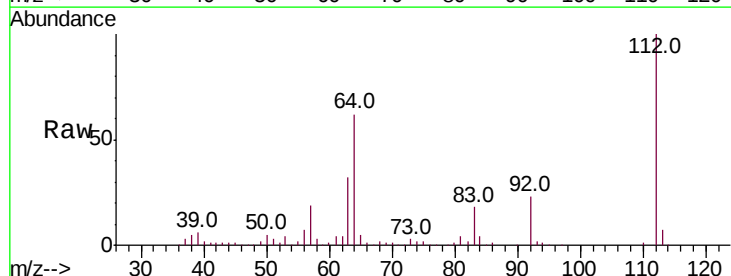
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



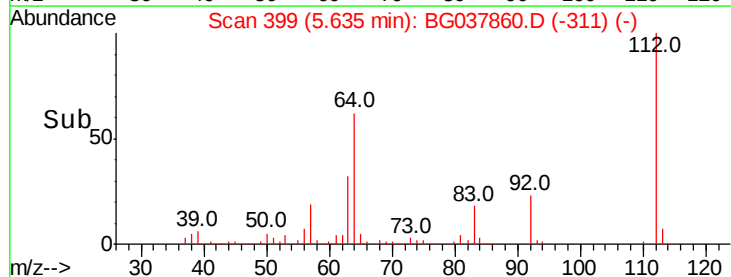
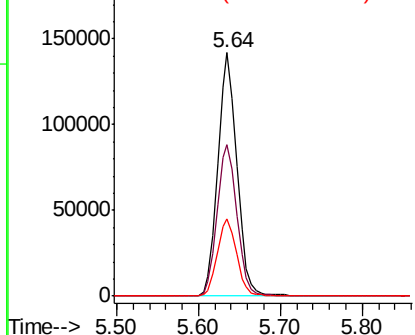
#5

2-Fluorophenol  
Concen: 60.146 ng  
RT: 5.64 min Scan# 399  
Delta R.T. -0.01 min  
Lab File: BG037860.D  
Acq: 7 Nov 2018 11:33

Tgt Ion:112 Resp: 231422  
Ion Ratio Lower Upper  
112 100  
64 62.2 53.1 79.7  
63 31.6 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: 36.853 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.02 min

Lab File: BG037860.D

Acq: 7 Nov 2018 11:33

Instrument :

BNA\_G

ClientSampleId :

CPS043085

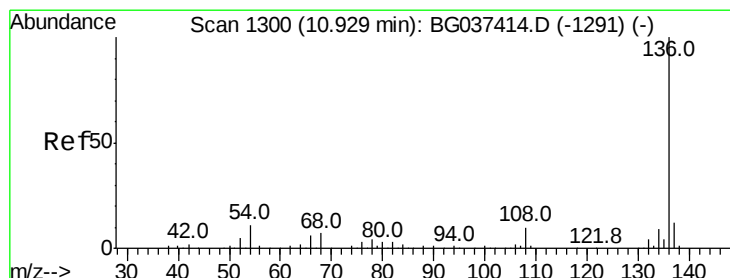
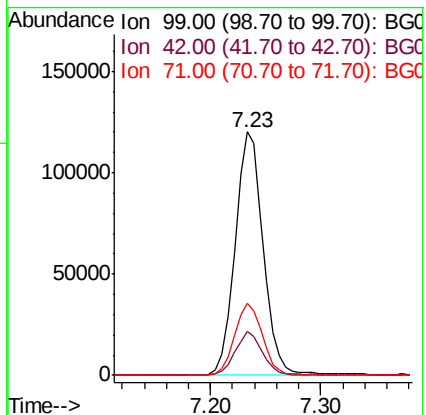
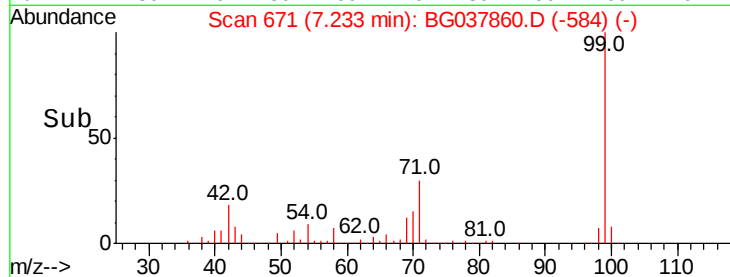
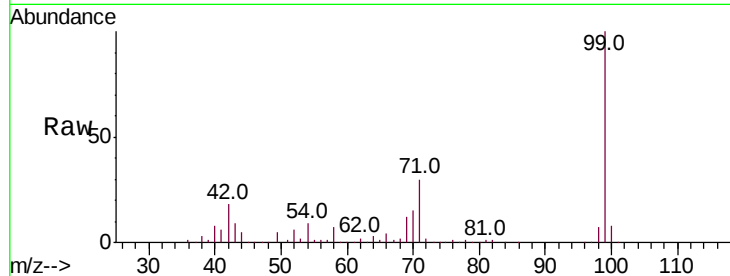
Tot Ion: 99 Resp: 214417

Ion Ratio Lower Upper

99 100

42 18.2 15.0 22.4

71 29.7 25.5 38.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.91 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BG037860.D

Acq: 7 Nov 2018 11:33

Tgt Ion: 136 Resp: 288182

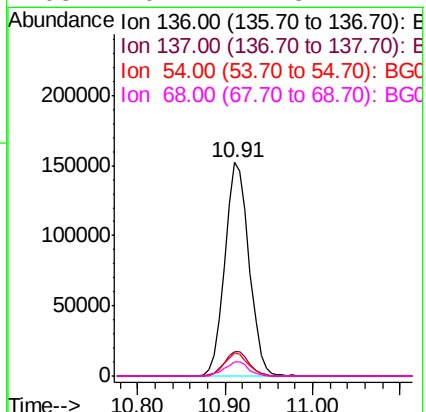
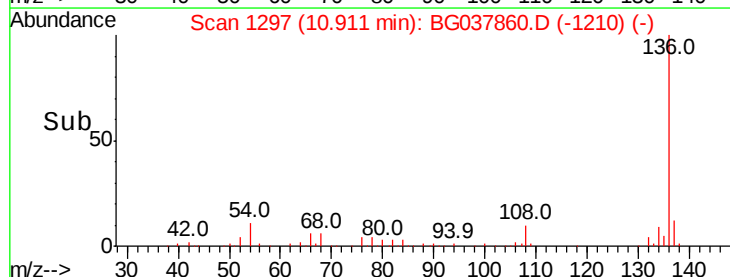
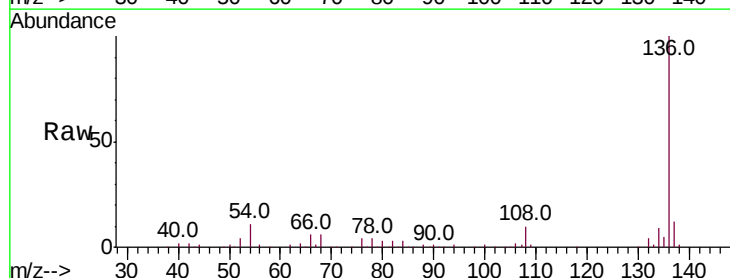
Ion Ratio Lower Upper

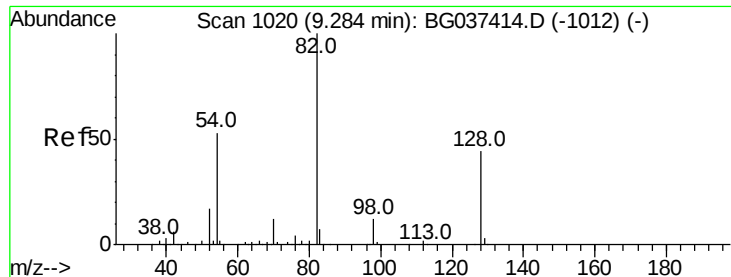
136 100

137 11.7 9.6 14.4

54 10.6 7.9 11.9

68 6.4 4.8 7.2





#23

Nitrobenzene-d5

Concen: 85.041 ng

RT: 9.27 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BG037860.D

Acq: 7 Nov 2018 11:33

Instrument :

BNA\_G

ClientSampleId :

CPS043085

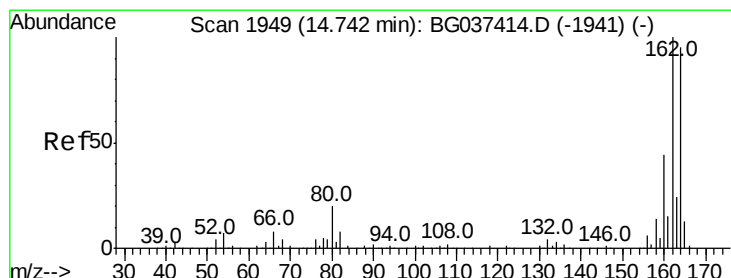
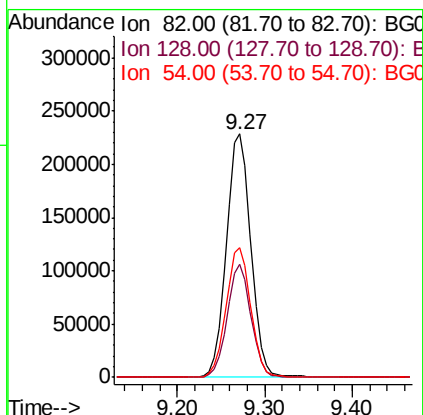
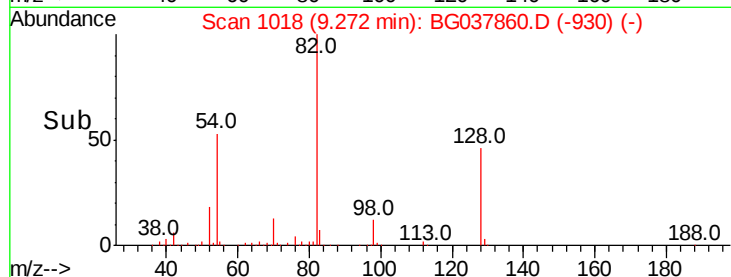
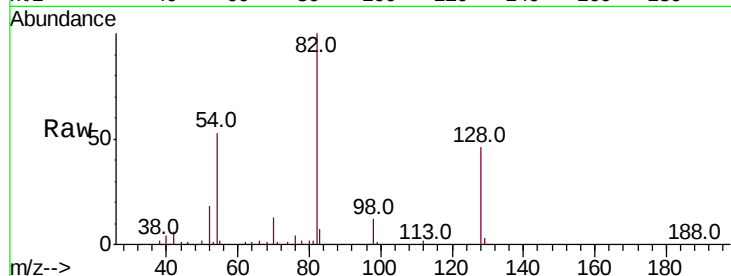
Tot Ion: 82 Resp: 437481

Ion Ratio Lower Upper

82 100

128 46.3 34.6 51.8

54 53.2 45.3 67.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1946

Delta R.T. -0.02 min

Lab File: BG037860.D

Acq: 7 Nov 2018 11:33

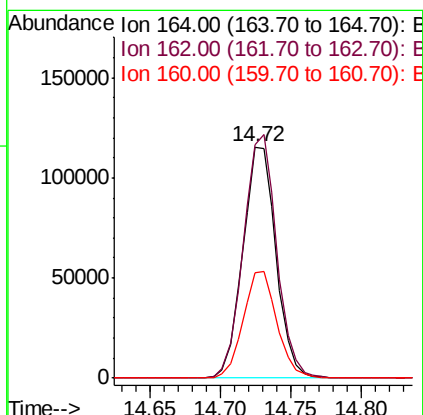
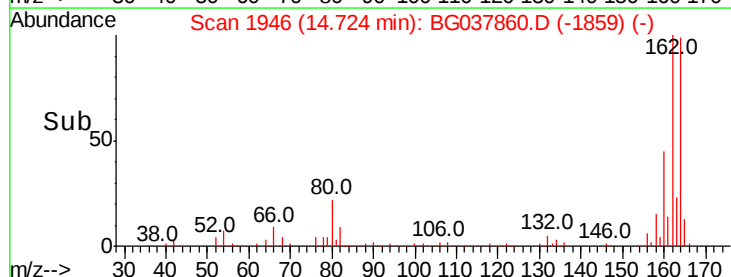
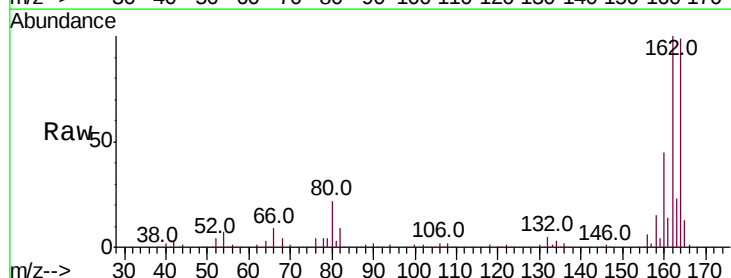
Tgt Ion: 164 Resp: 190282

Ion Ratio Lower Upper

164 100

162 100.9 81.3 121.9

160 45.3 36.3 54.5

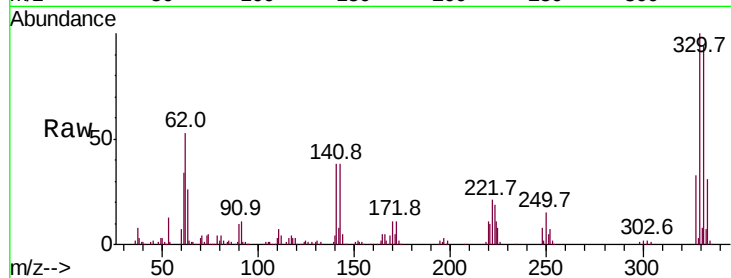




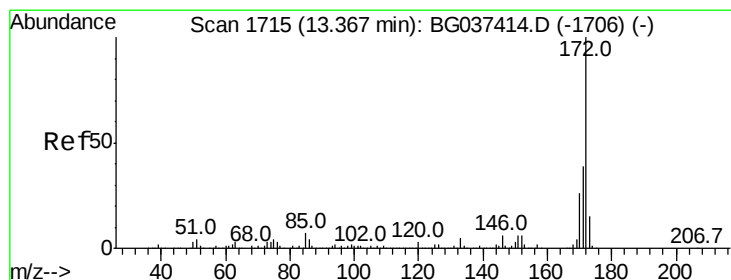
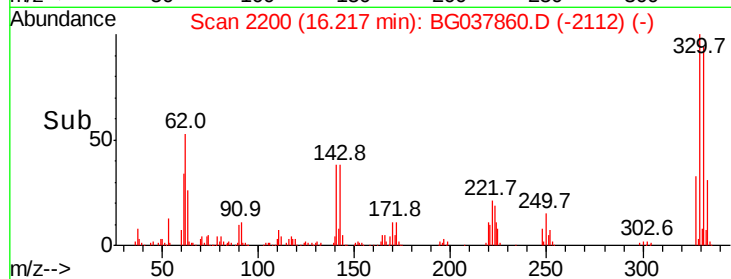
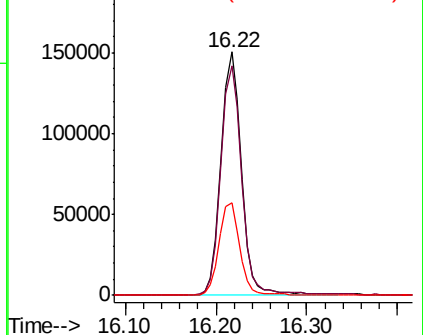
#42  
 2,4,6-Tribromophenol  
 Concen: 114.032 ng  
 RT: 16.22 min Scan# 2200  
 Delta R.T. -0.01 min  
 Lab File: BG037860.D  
 Acq: 7 Nov 2018 11:33

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CPS043085

Tot Ion:330 Resp: 236661  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 78.4 117.6  
 141 38.6 32.2 48.2

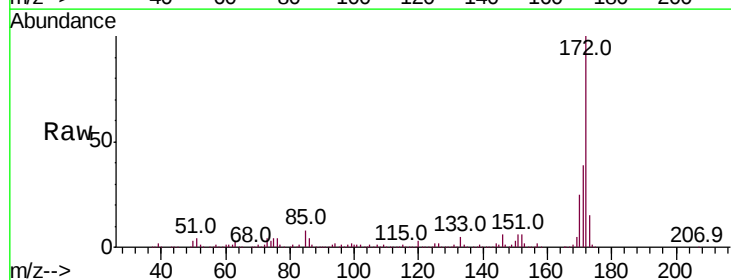


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

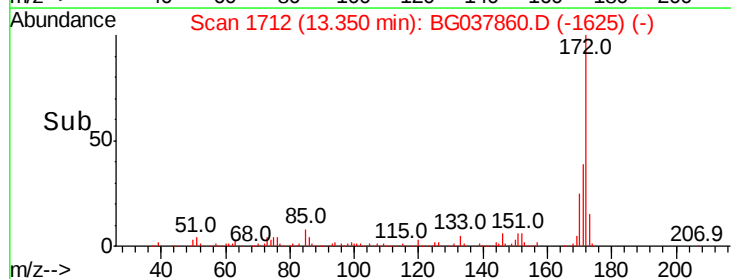
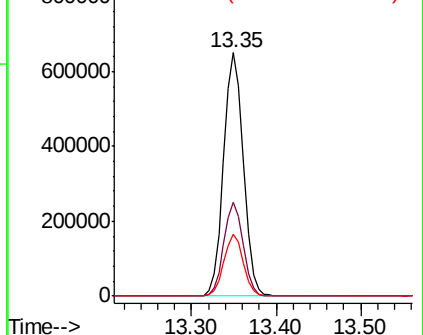


#45  
 2-Fluorobiphenyl  
 Concen: 83.398 ng  
 RT: 13.35 min Scan# 1712  
 Delta R.T. -0.02 min  
 Lab File: BG037860.D  
 Acq: 7 Nov 2018 11:33

Tgt Ion:172 Resp: 1052365  
 Ion Ratio Lower Upper  
 172 100  
 171 38.7 31.0 46.4  
 170 25.2 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

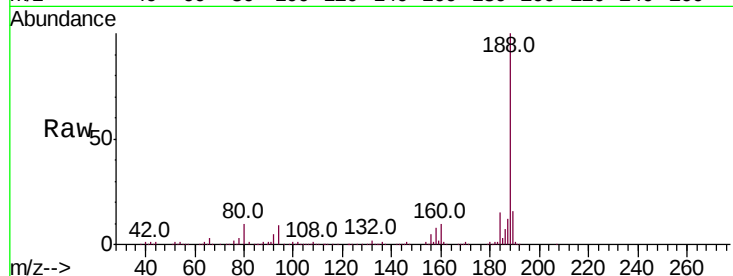




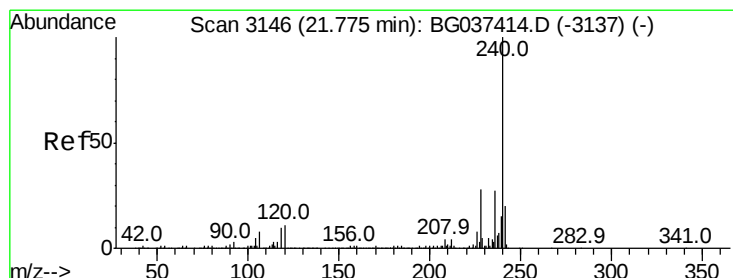
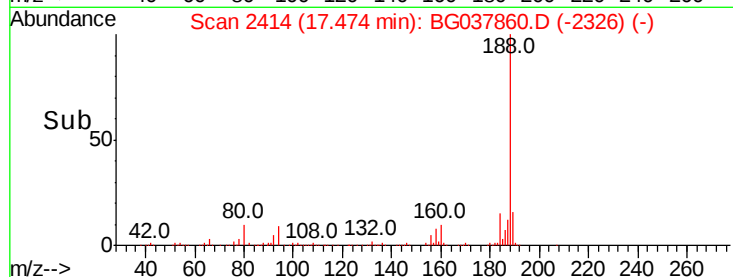
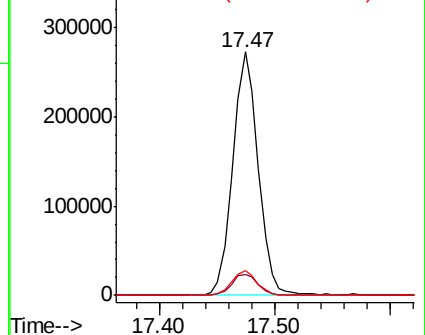
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.47 min Scan# 2414  
Delta R.T. -0.01 min  
Lab File: BG037860.D  
Acq: 7 Nov 2018 11:33

Instrument :  
BNA\_G  
ClientSampleId :  
CPS043085

Tot Ion:188 Resp: 415570  
Ion Ratio Lower Upper  
188 100  
94 8.7 7.2 10.8  
80 10.1 7.7 11.5

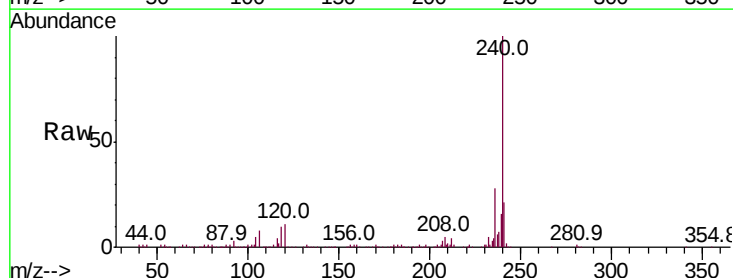


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGO  
Ion 80.00 (79.70 to 80.70): BGO

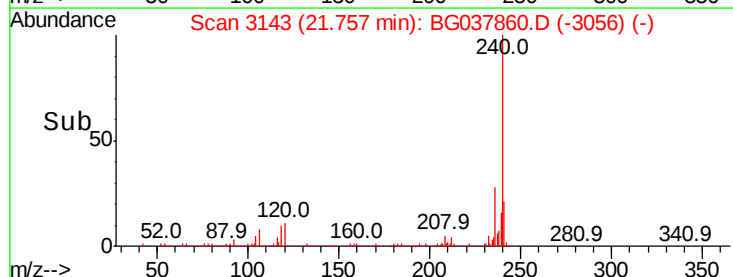
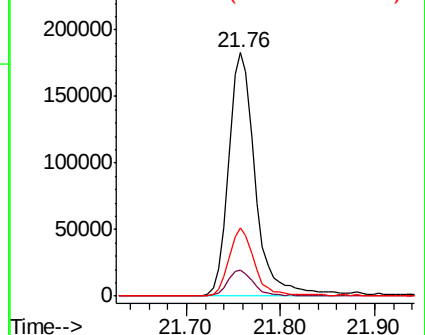


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.76 min Scan# 3143  
Delta R.T. -0.02 min  
Lab File: BG037860.D  
Acq: 7 Nov 2018 11:33

Tgt Ion:240 Resp: 360779  
Ion Ratio Lower Upper  
240 100  
120 10.9 8.1 12.1  
236 27.8 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: 87.219 ng

RT: 20.08 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BG037860.D

Acq: 7 Nov 2018 11:33

Instrument :

BNA\_G

ClientSampleId :

CPS043085

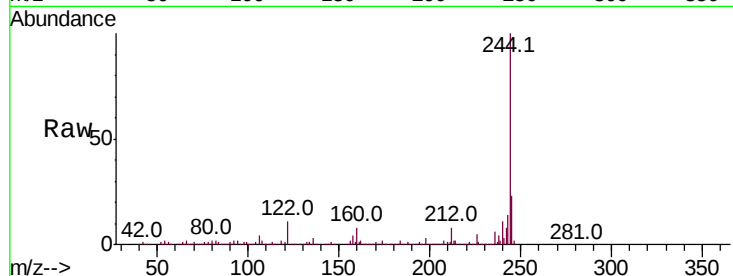
Tot Ion:244 Resp: 1472634

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

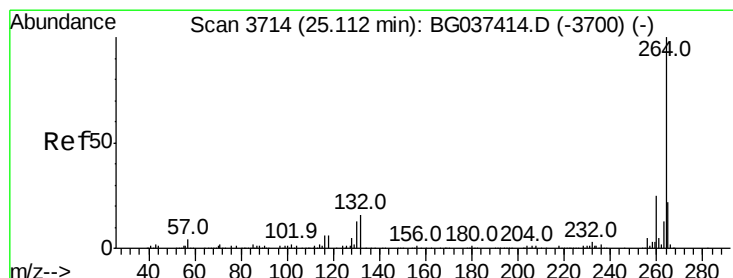
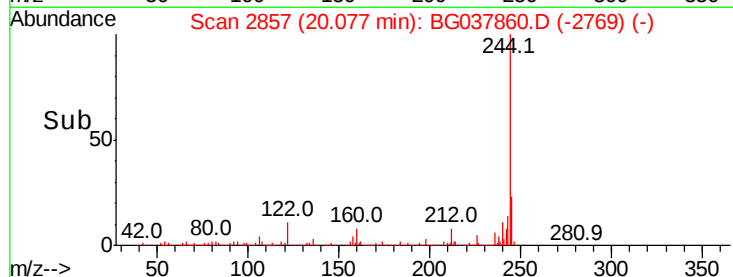
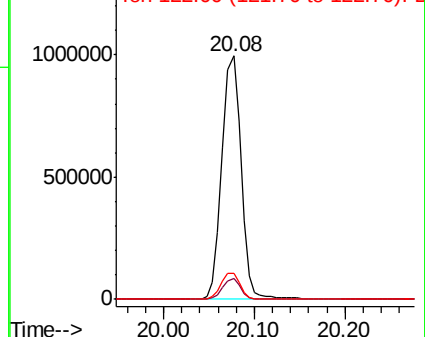
122 10.9 9.0 13.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3710

Delta R.T. -0.02 min

Lab File: BG037860.D

Acq: 7 Nov 2018 11:33

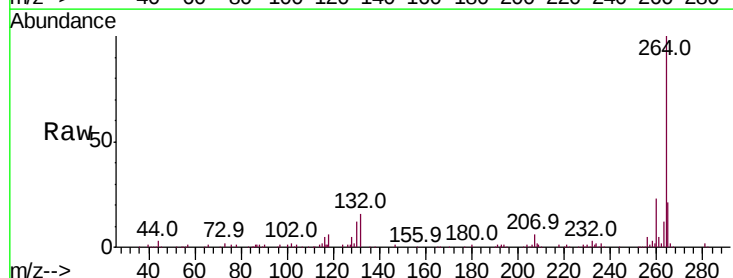
Tgt Ion:264 Resp: 305430

Ion Ratio Lower Upper

264 100

260 22.6 18.2 27.4

265 21.2 17.9 26.9



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

