

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG102418\  
 Data File : BG037522.D  
 Acq On : 24 Oct 2018 22:04  
 Operator : JU/SJ  
 Sample : J5198-28  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-01-102318-D

Quant Time: Oct 25 08:19:47 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   | 8.11  | 152  | 58337    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.93 | 136  | 247204   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.74 | 164  | 170320   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.48 | 188  | 409564   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.77 | 240  | 380597   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 25.10 | 264  | 358872   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 415836   | 119.17 | ng    | 0.00     |
| 7) Phenol-d6                | 7.25  | 99   | 558328   | 105.82 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 384211   | 87.07  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.23 | 330  | 212632   | 114.46 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.36 | 172  | 905276   | 80.15  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.08 | 244  | 1426502  | 80.09  | ng    | 0.00     |

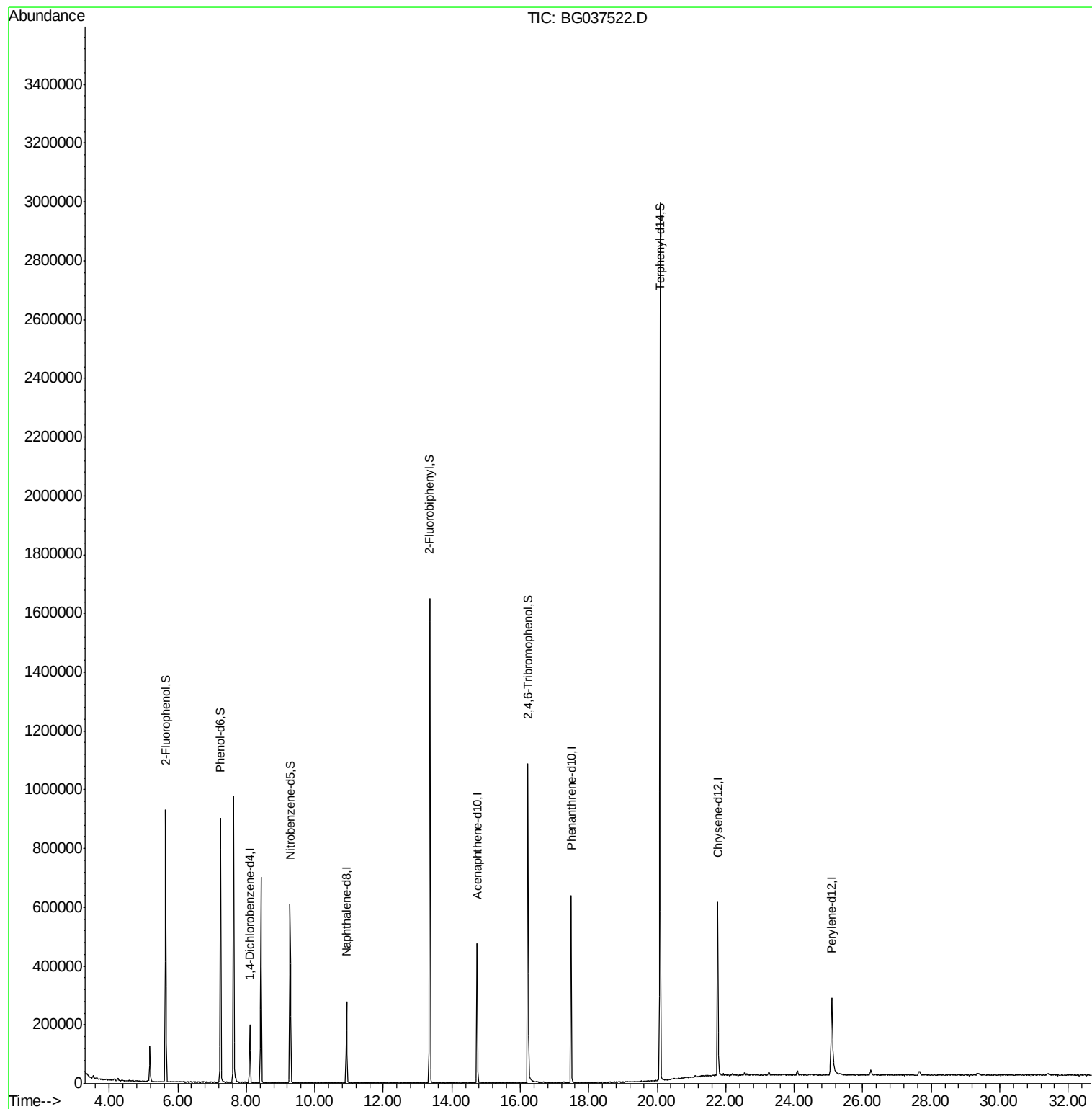
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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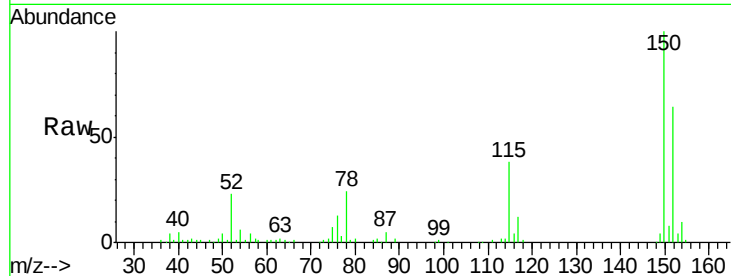


#1

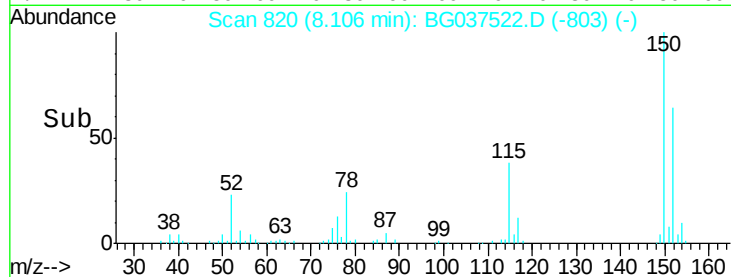
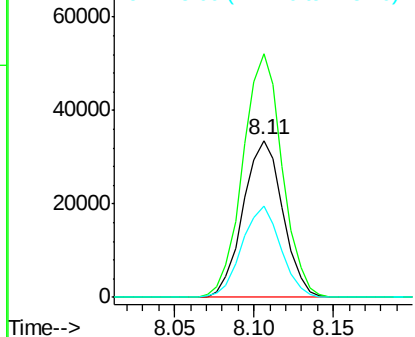
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.11 min Scan# 820  
Delta R.T. -0.00 min  
Lab File: BG037522.D  
Acq: 24 Oct 2018 22:04

Instrument :  
BNA\_G  
ClientSampleId :  
CL-01-102318-D

Tgt Ion:152 Resp: 58337  
Ion Ratio Lower Upper  
152 100  
150 155.3 126.0 189.0  
115 58.3 45.5 68.3



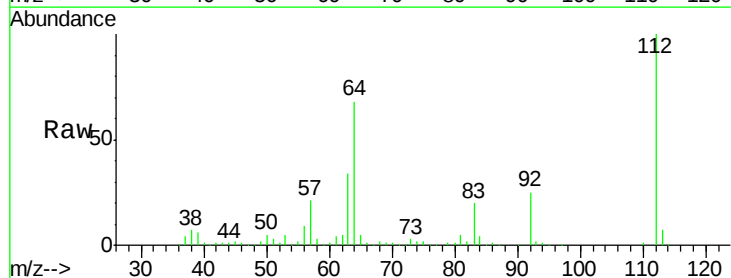
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



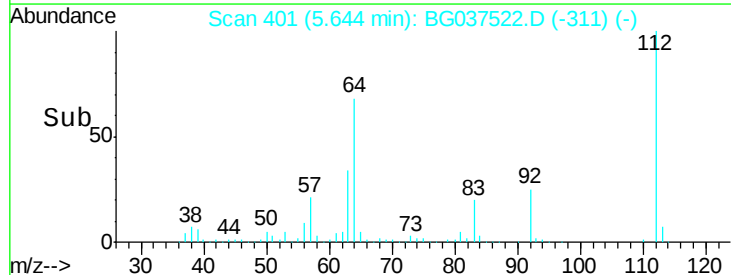
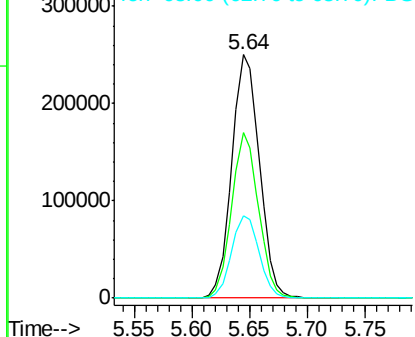
#5

2-Fluorophenol  
Concen: 119.173 ng  
RT: 5.64 min Scan# 401  
Delta R.T. -0.00 min  
Lab File: BG037522.D  
Acq: 24 Oct 2018 22:04

Tgt Ion:112 Resp: 415836  
Ion Ratio Lower Upper  
112 100  
64 67.8 53.1 79.7  
63 33.7 27.3 40.9



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: 105.817 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037522.D

Acq: 24 Oct 2018 22:04

Instrument :

BNA\_G

ClientSampleId :

CL-01-102318-D

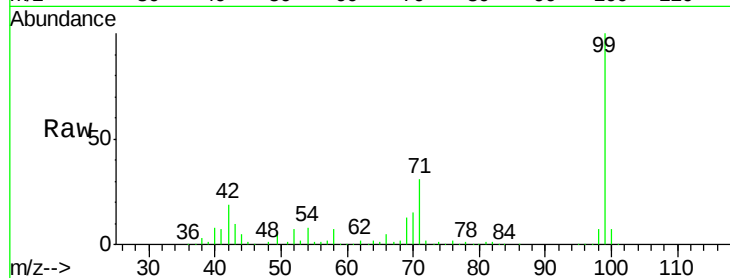
Tgt Ion: 99 Resp: 558328

Ion Ratio Lower Upper

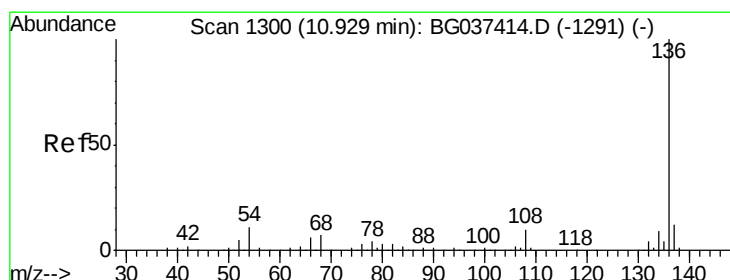
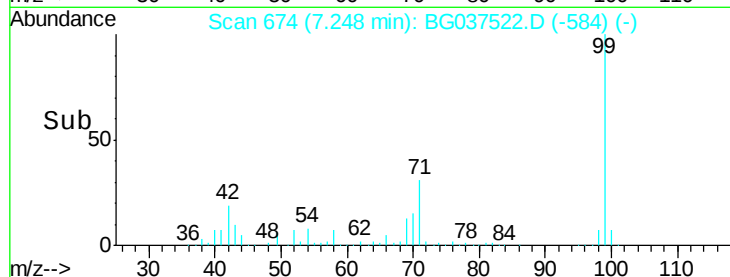
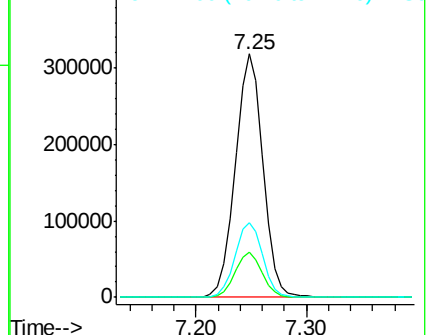
99 100

42 18.8 15.0 22.4

71 30.7 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: 10.93 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BG037522.D

Acq: 24 Oct 2018 22:04

Tgt Ion: 136 Resp: 247204

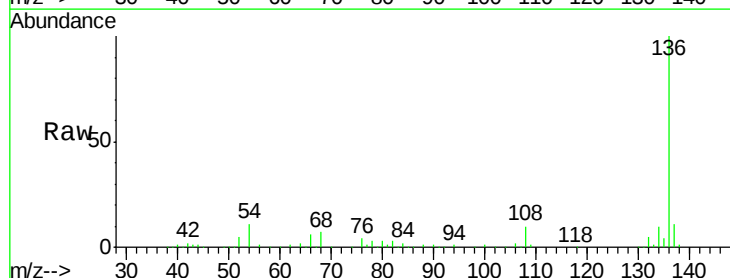
Ion Ratio Lower Upper

136 100

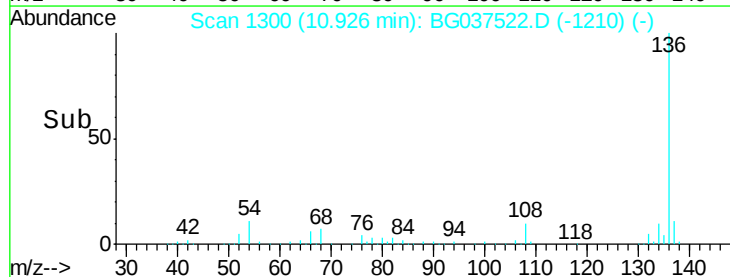
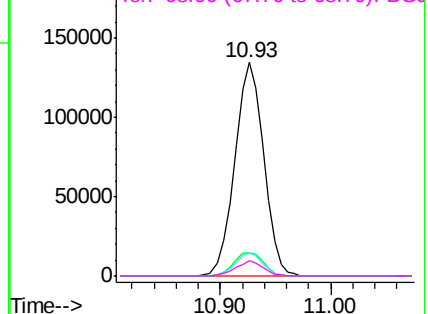
137 10.7 9.6 14.4

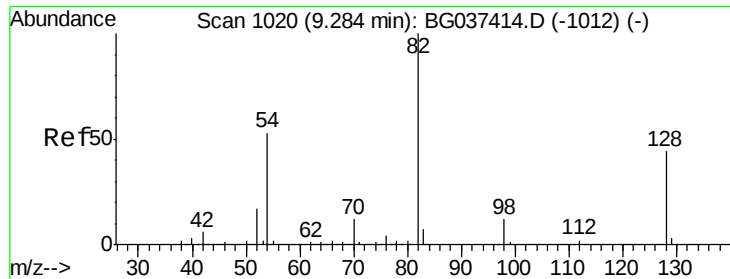
54 10.7 7.9 11.9

68 7.1 4.8 7.2



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

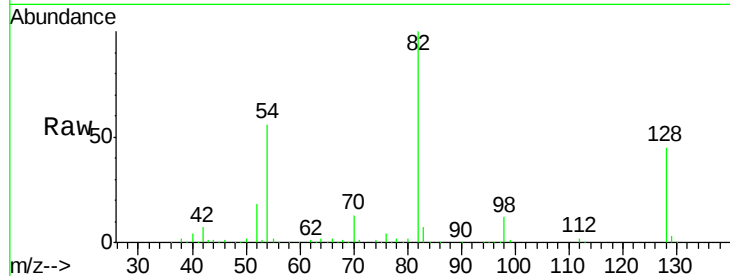




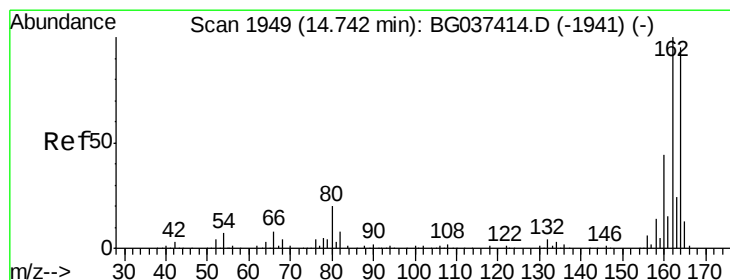
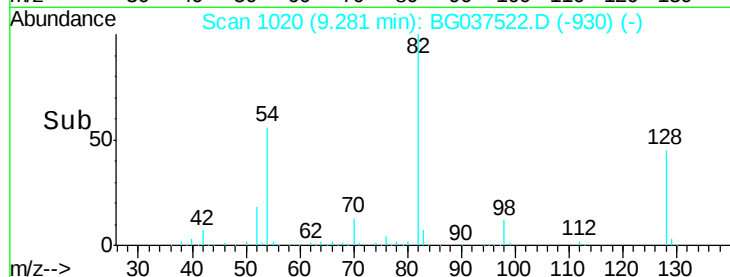
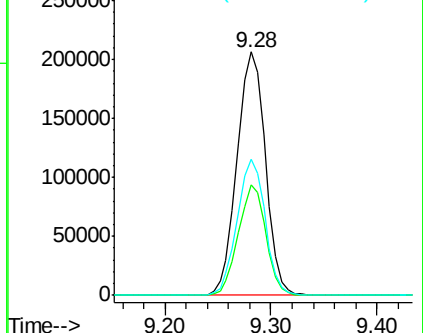
#23  
 Nitrobenzene-d5  
 Concen: 87.066 ng  
 RT: 9.28 min Scan# 1020  
 Delta R.T. -0.00 min  
 Lab File: BG037522.D  
 Acq: 24 Oct 2018 22:04

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-01-102318-D

Tgt Ion: 82 Resp: 384211  
 Ion Ratio Lower Upper  
 82 100  
 128 45.4 34.6 51.8  
 54 56.0 45.3 67.9

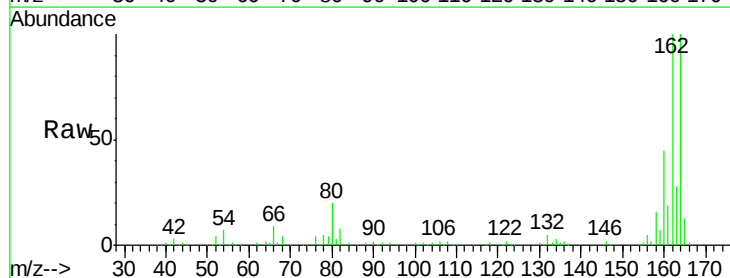


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

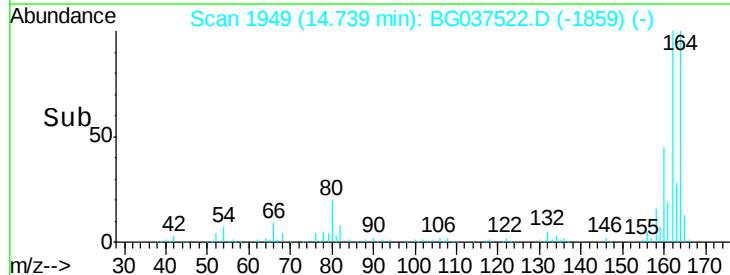
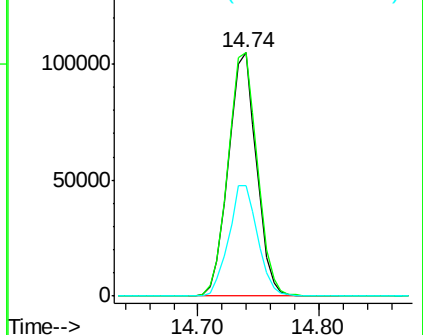


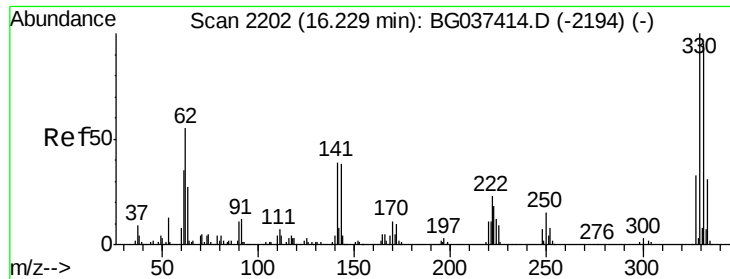
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.74 min Scan# 1949  
 Delta R.T. -0.00 min  
 Lab File: BG037522.D  
 Acq: 24 Oct 2018 22:04

Tgt Ion: 164 Resp: 170320  
 Ion Ratio Lower Upper  
 164 100  
 162 100.0 81.3 121.9  
 160 45.3 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

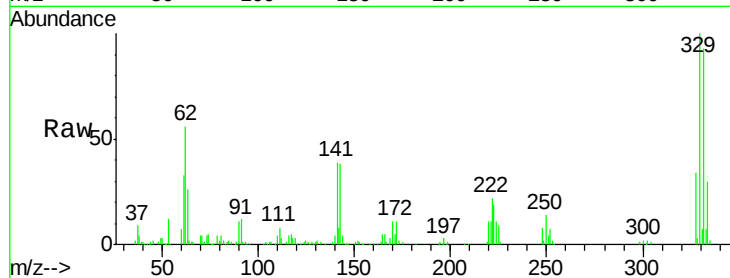




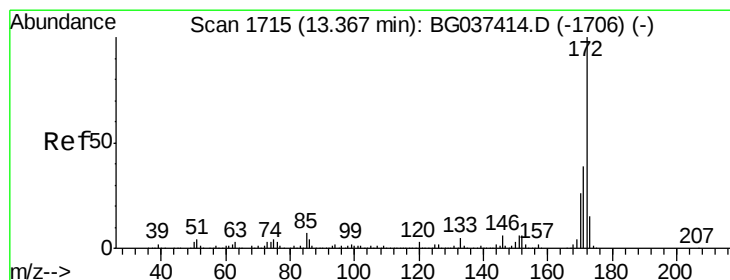
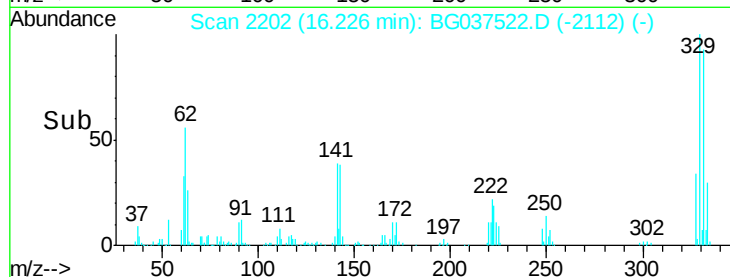
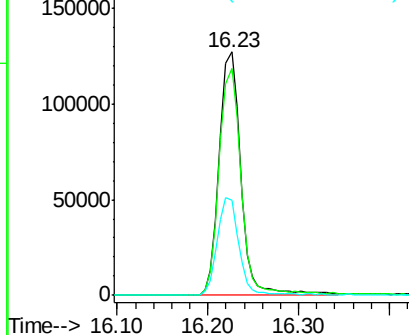
#42  
 2,4,6-Tribromophenol  
 Concen: 114.462 ng  
 RT: 16.23 min Scan# 2202  
 Delta R.T. -0.00 min  
 Lab File: BG037522.D  
 Acq: 24 Oct 2018 22:04

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-01-102318-D

Tgt Ion:330 Resp: 212632  
 Ion Ratio Lower Upper  
 330 100  
 332 93.8 78.4 117.6  
 141 39.8 32.2 48.2

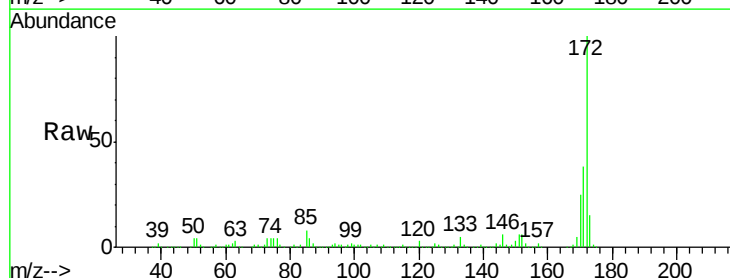


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

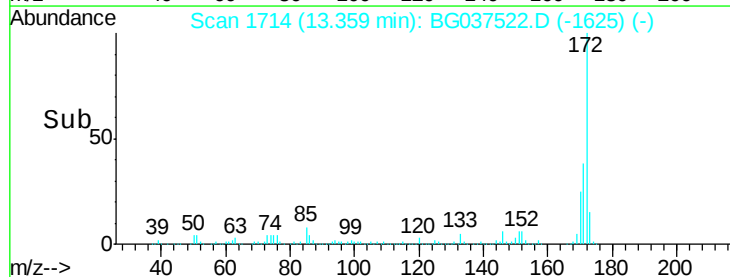
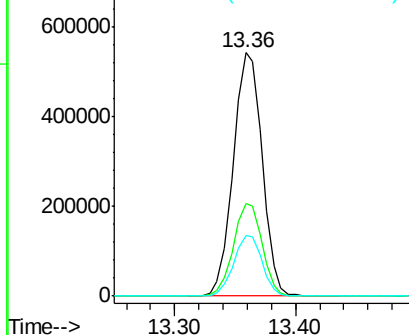


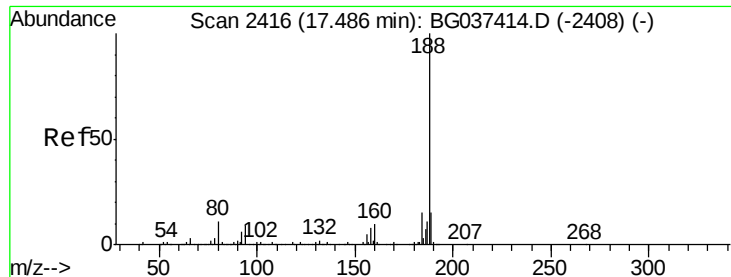
#45  
 2-Fluorobiphenyl  
 Concen: 80.149 ng  
 RT: 13.36 min Scan# 1714  
 Delta R.T. -0.01 min  
 Lab File: BG037522.D  
 Acq: 24 Oct 2018 22:04

Tgt Ion:172 Resp: 905276  
 Ion Ratio Lower Upper  
 172 100  
 171 38.1 31.0 46.4  
 170 25.0 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

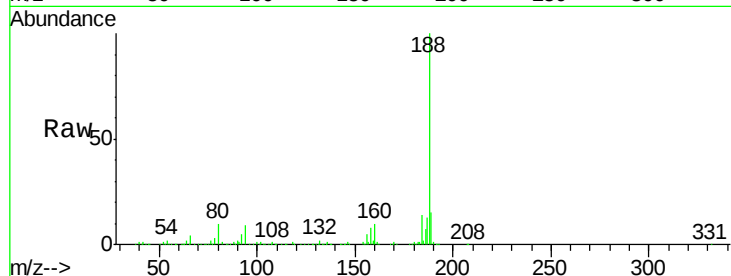




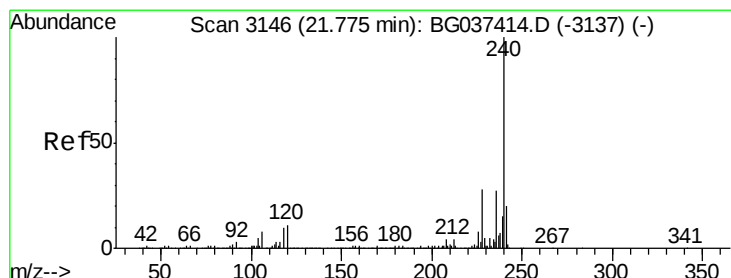
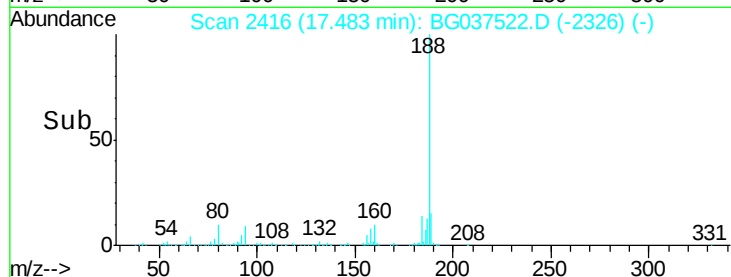
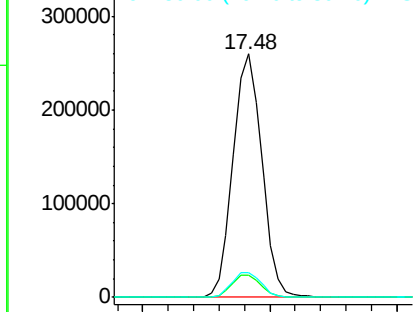
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.48 min Scan# 2416  
Delta R.T. -0.00 min  
Lab File: BG037522.D  
Acq: 24 Oct 2018 22:04

Instrument :  
BNA\_G  
ClientSampleId :  
CL-01-102318-D

Tgt Ion:188 Resp: 409564  
Ion Ratio Lower Upper  
188 100  
94 9.2 7.2 10.8  
80 10.3 7.7 11.5

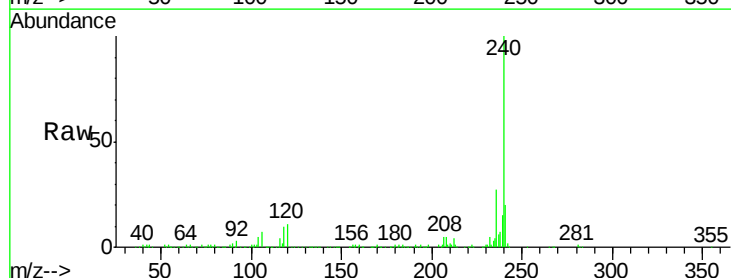


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

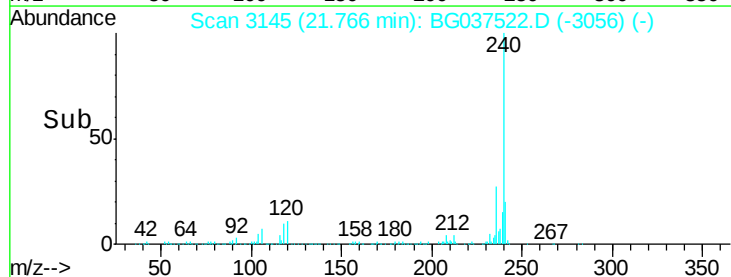
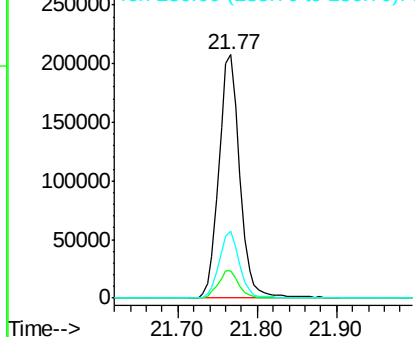


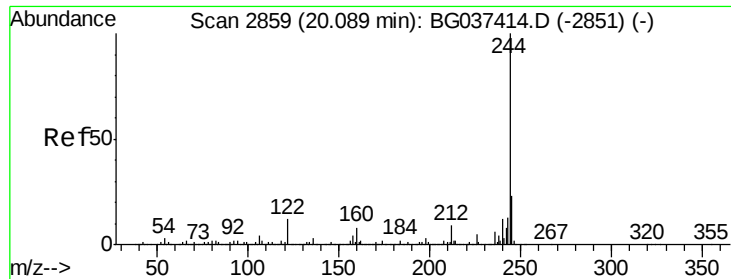
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.77 min Scan# 3145  
Delta R.T. -0.01 min  
Lab File: BG037522.D  
Acq: 24 Oct 2018 22:04

Tgt Ion:240 Resp: 380597  
Ion Ratio Lower Upper  
240 100  
120 11.4 8.1 12.1  
236 27.5 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: 80.087 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037522.D

Acq: 24 Oct 2018 22:04

Instrument :

BNA\_G

ClientSampleId :

CL-01-102318-D

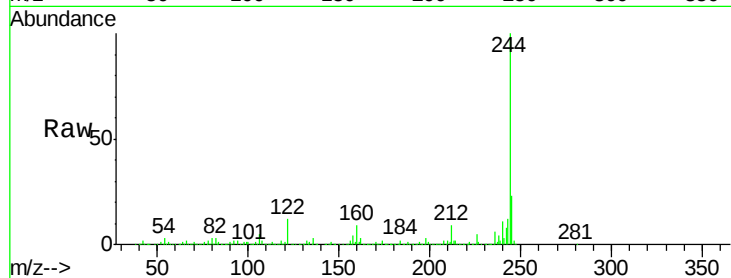
Tgt Ion:244 Resp: 1426502

Ion Ratio Lower Upper

244 100

212 8.7 6.5 9.7

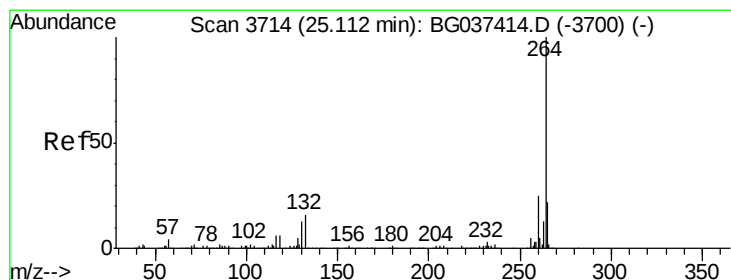
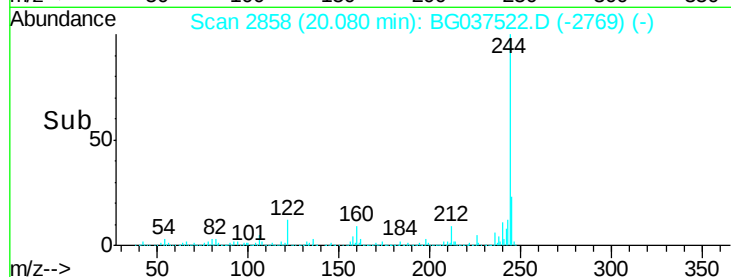
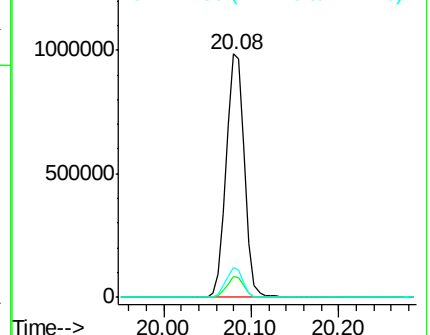
122 12.4 9.0 13.4



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: 25.10 min Scan# 3713

Delta R.T. -0.01 min

Lab File: BG037522.D

Acq: 24 Oct 2018 22:04

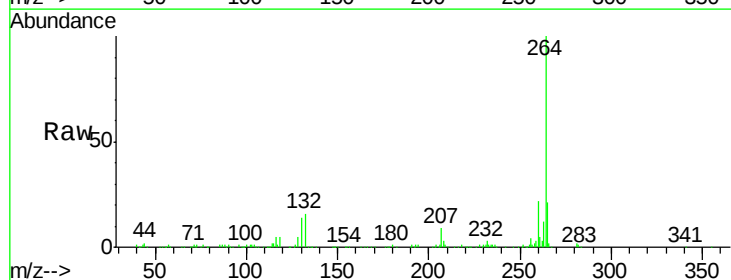
Tgt Ion:264 Resp: 358872

Ion Ratio Lower Upper

264 100

260 22.4 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

