

Data File : BG035282.D  
Acq On : 21 Jun 2018 2:42  
Operator : SJ/JU  
Sample : J3245-10  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-061918-A

Quant Time: Jun 21 06:39:17 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG060718.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 08 17:16:28 2018  
Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.06  | 152  | 60428    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.86 | 136  | 207125   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.68 | 164  | 139209   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.42 | 188  | 388290   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.69 | 240  | 425284   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 24.91 | 264  | 400098   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 474093   | 132.40 | ng    | 0.00     |
| 7) Phenol-d6                | 7.22  | 99   | 602450   | 113.99 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.22  | 82   | 477728   | 109.64 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.16 | 330  | 335119   | 188.05 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.30 | 172  | 1071892  | 100.10 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.03 | 244  | 1957701  | 96.42  | ng    | -0.02    |

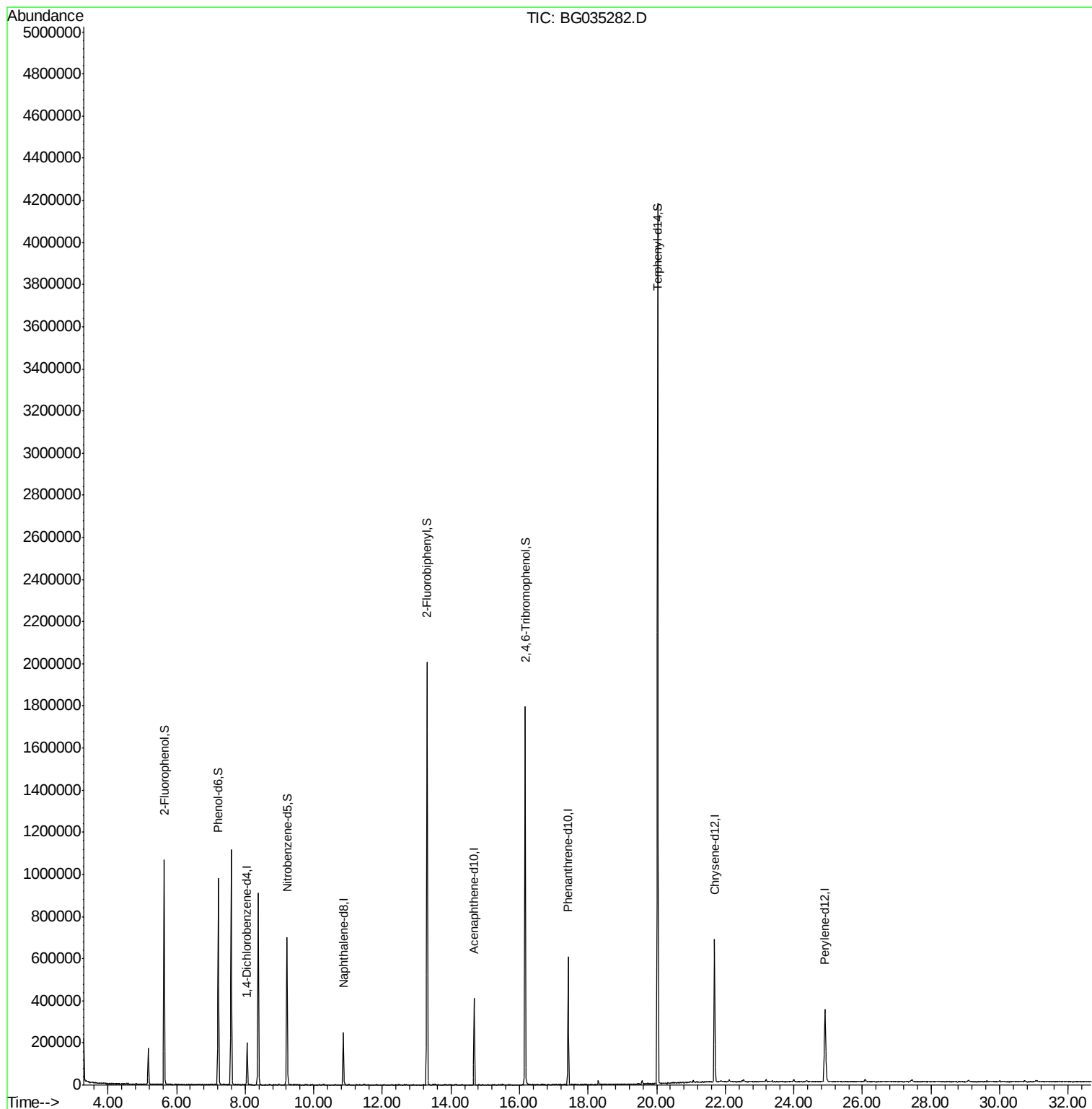
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

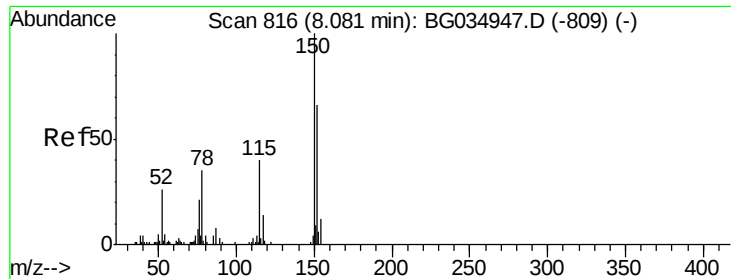
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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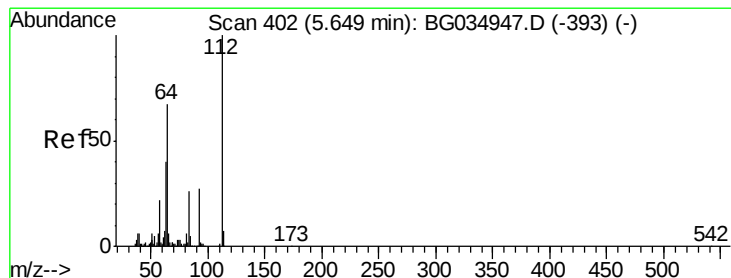
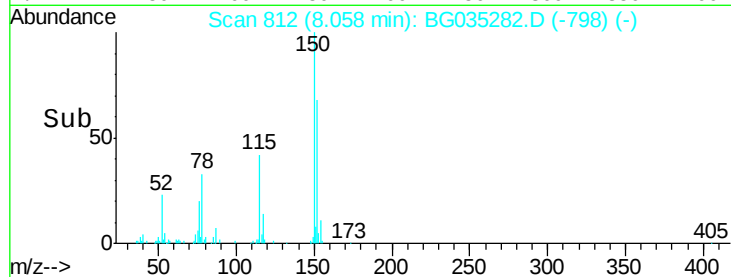
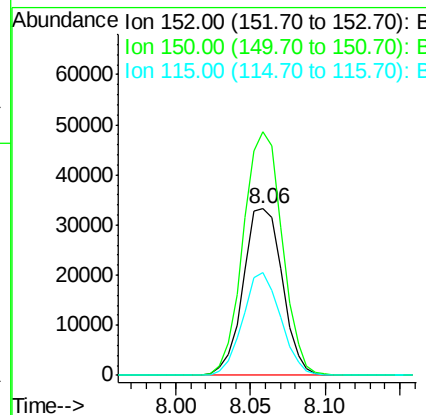
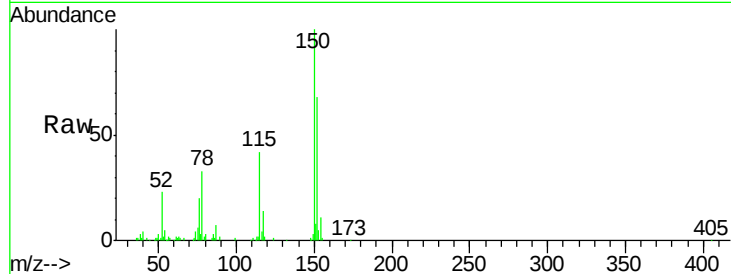


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 812  
Delta R.T. -0.02 min  
Lab File: BG035282.D  
Acq: 21 Jun 2018 2:42

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-061918-A

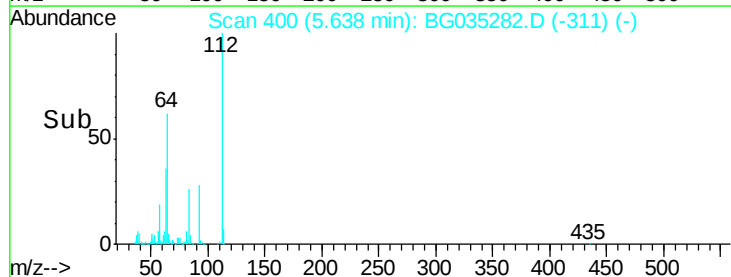
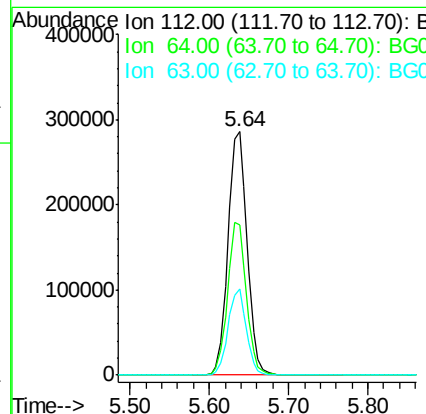
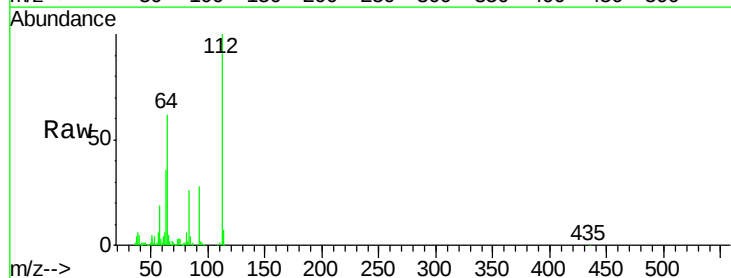
Tgt Ion:152 Resp: 60428  
Ion Ratio Lower Upper  
152 100  
150 146.3 126.6 189.8  
115 62.0 53.0 79.4

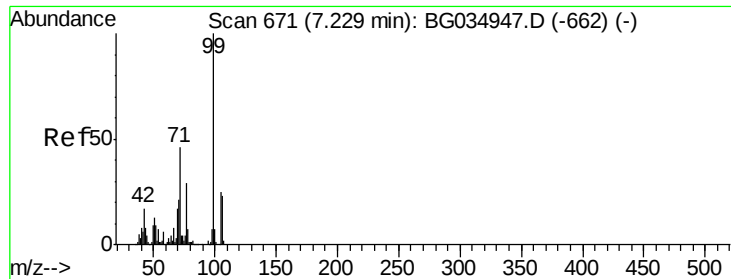


#5

2-Fluorophenol  
Concen: 132.403 ng  
RT: 5.64 min Scan# 400  
Delta R.T. -0.01 min  
Lab File: BG035282.D  
Acq: 21 Jun 2018 2:42

Tgt Ion:112 Resp: 474093  
Ion Ratio Lower Upper  
112 100  
64 61.7 56.3 84.5  
63 35.5 30.1 45.1





#7

Phenol-d6

Concen: 113.995 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035282.D

Acq: 21 Jun 2018 2:42

Instrument :

BNA\_G

ClientSampleId :

CL-02-061918-A

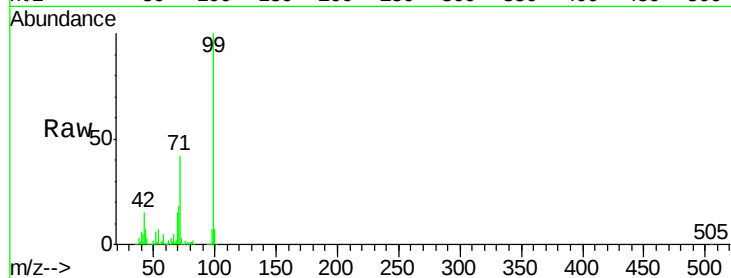
Tgt Ion: 99 Resp: 602450

Ion Ratio Lower Upper

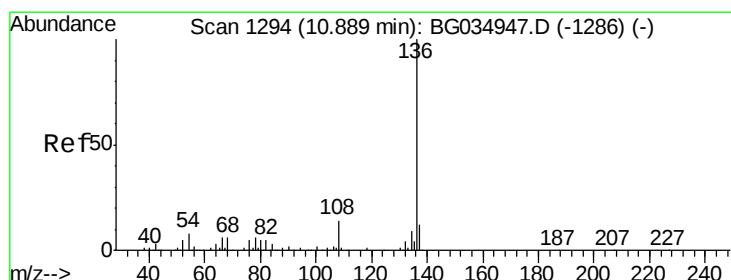
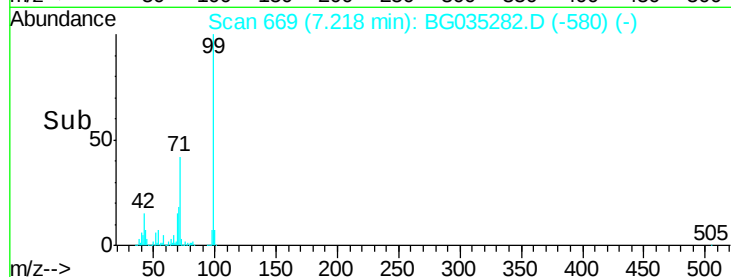
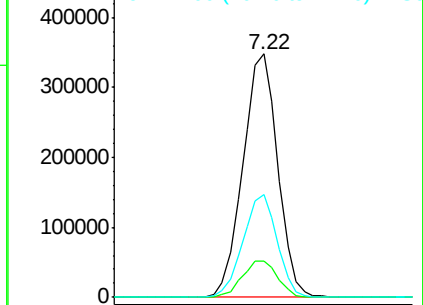
99 100

42 14.7 14.1 21.1

71 42.5 26.1 39.1#



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# 1289

Delta R.T. -0.02 min

Lab File: BG035282.D

Acq: 21 Jun 2018 2:42

Tgt Ion: 136 Resp: 207125

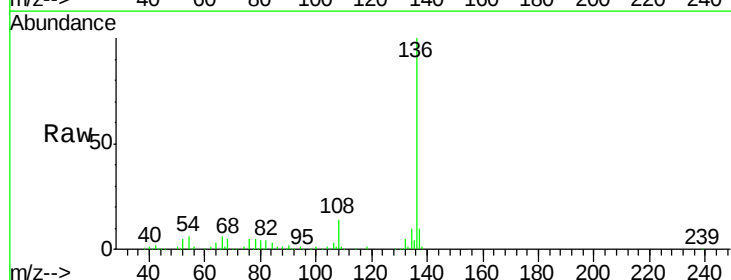
Ion Ratio Lower Upper

136 100

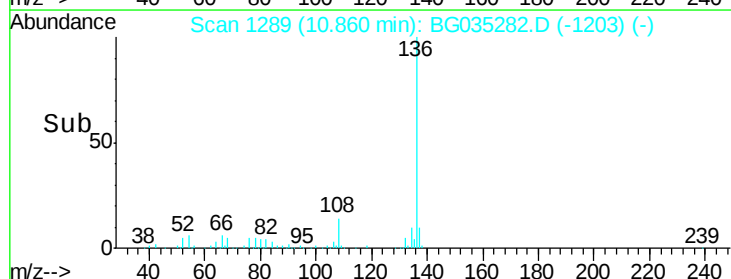
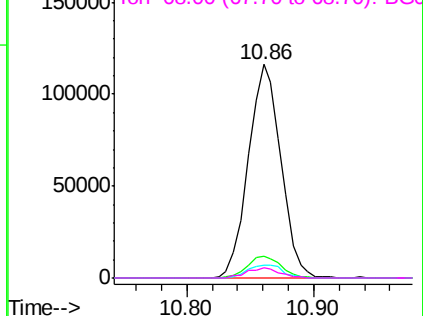
137 10.1 9.2 13.8

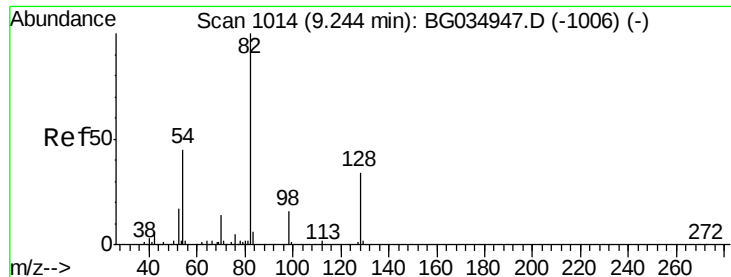
54 6.3 10.3 15.5#

68 4.6 4.5 6.7



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

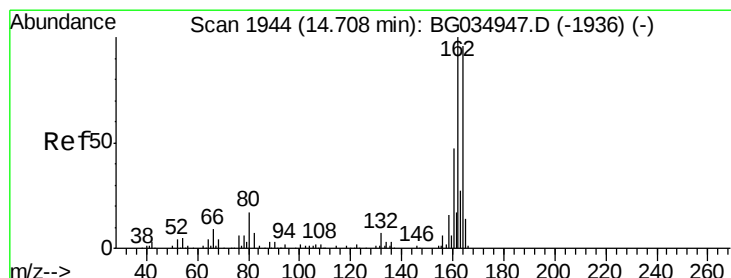
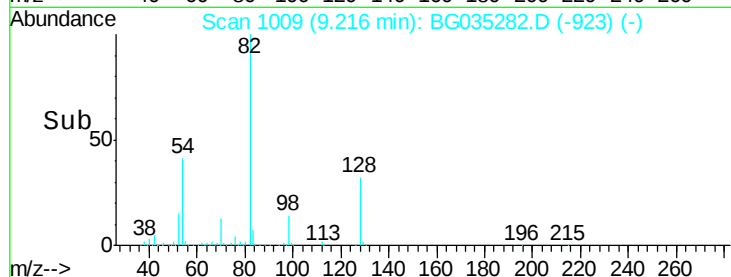
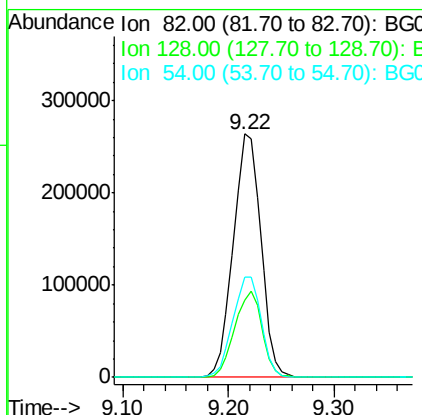
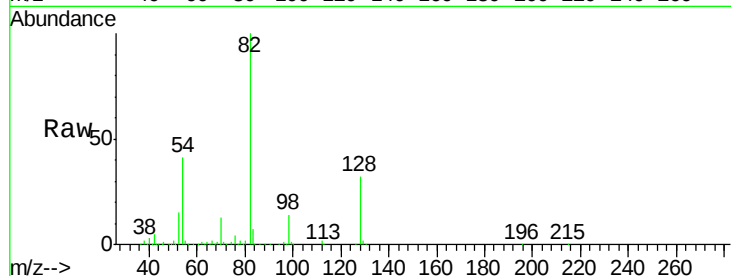




#23  
 Nitrobenzene-d5  
 Concen: 109.637 ng  
 RT: 9.22 min Scan# 1009  
 Delta R.T. -0.02 min  
 Lab File: BG035282.D  
 Acq: 21 Jun 2018 2:42

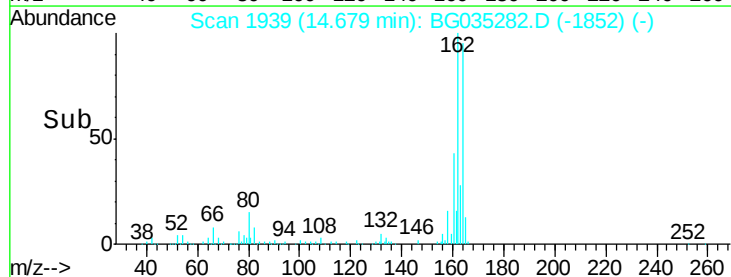
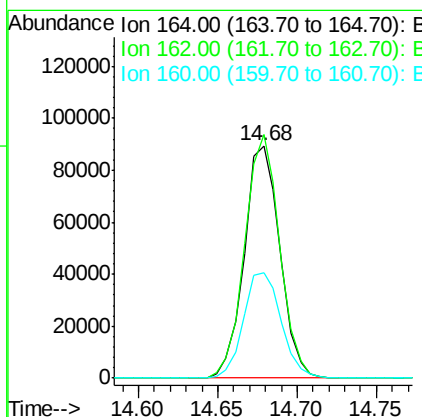
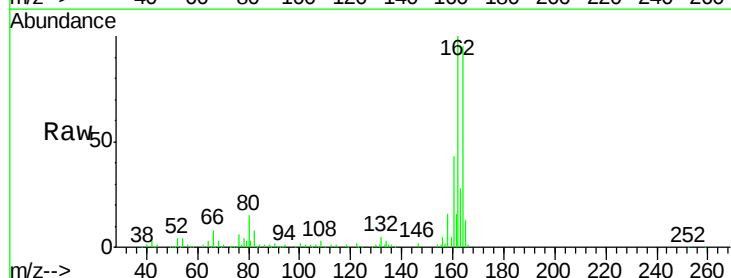
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-02-061918-A

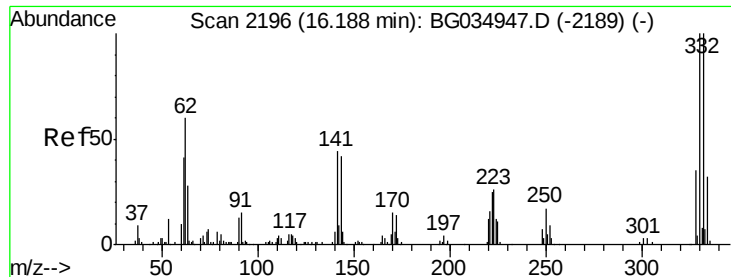
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 31.9  | 29.7  | 44.5  |
| 54      | 41.4  | 43.1  | 64.7  |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.68 min Scan# 1939  
 Delta R.T. -0.02 min  
 Lab File: BG035282.D  
 Acq: 21 Jun 2018 2:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.8 | 78.8  | 118.2 |
| 160     | 45.3  | 35.4  | 53.0  |

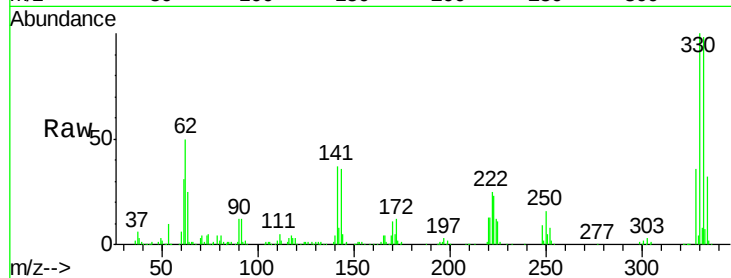




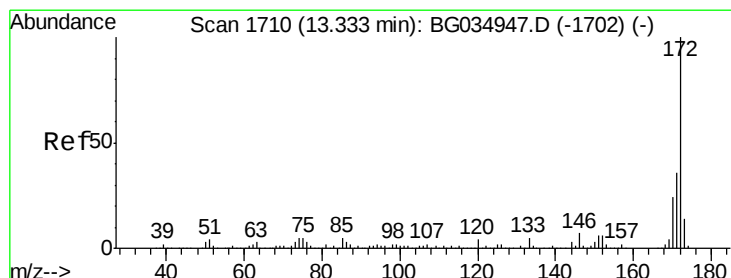
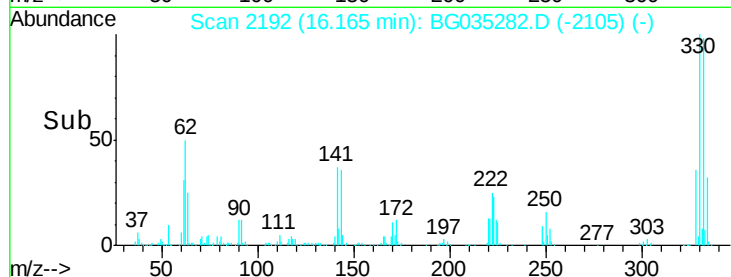
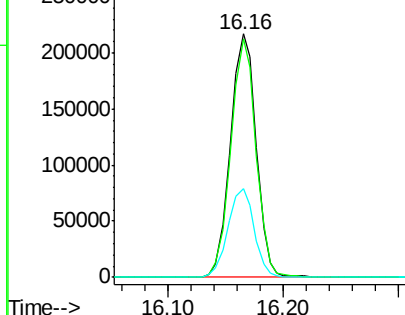
#41  
 2,4,6-Tribromophenol  
 Concen: 188.052 ng  
 RT: 16.16 min Scan# 2192  
 Delta R.T. -0.02 min  
 Lab File: BG035282.D  
 Acq: 21 Jun 2018 2:42

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-02-061918-A

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 77.0  | 115.6 |
| 141     | 36.9  | 25.2  | 37.8  |

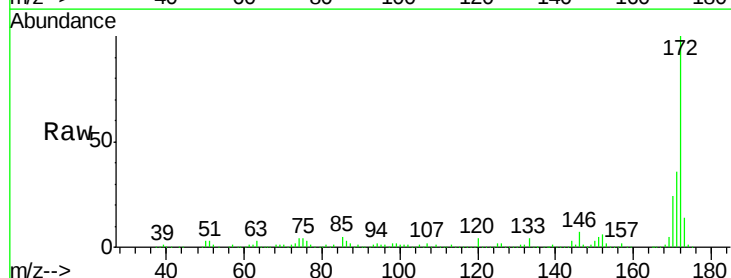


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

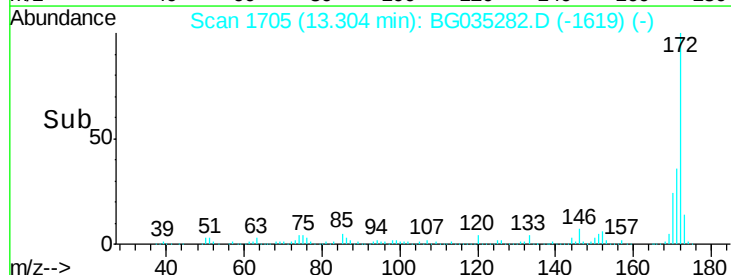
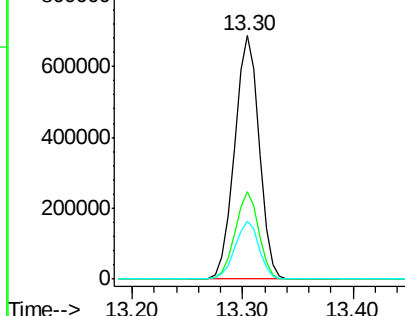


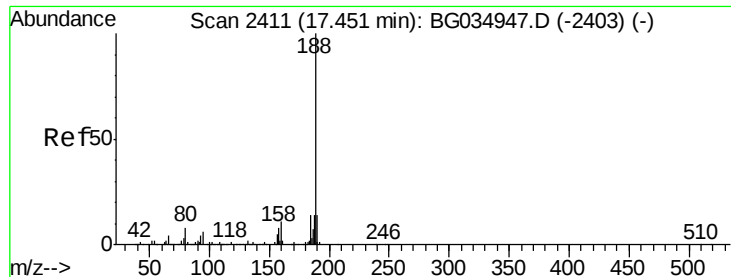
#44  
 2-Fluorobiphenyl  
 Concen: 100.098 ng  
 RT: 13.30 min Scan# 1705  
 Delta R.T. -0.02 min  
 Lab File: BG035282.D  
 Acq: 21 Jun 2018 2:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 30.0  | 45.0  |
| 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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2406

Delta R.T. -0.02 min

Lab File: BG035282.D

Acq: 21 Jun 2018 2:42

Instrument :

BNA\_G

ClientSampleId :

CL-02-061918-A

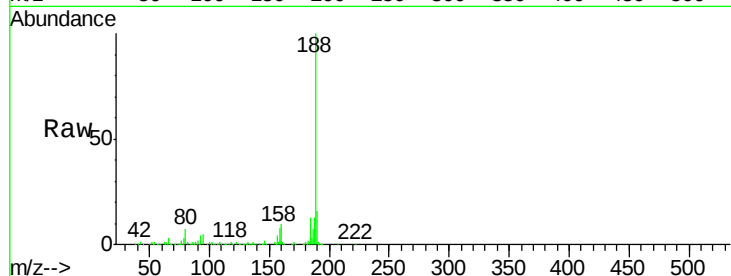
Tgt Ion:188 Resp: 388290

Ion Ratio Lower Upper

188 100

94 5.4 6.9 10.3#

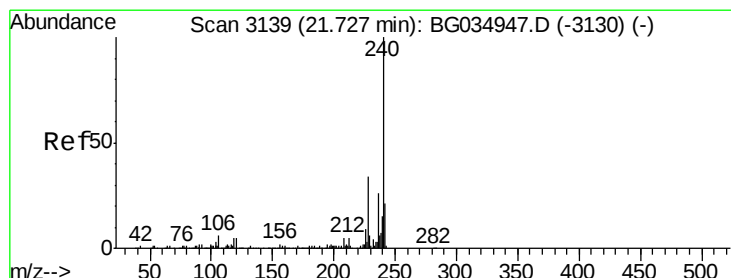
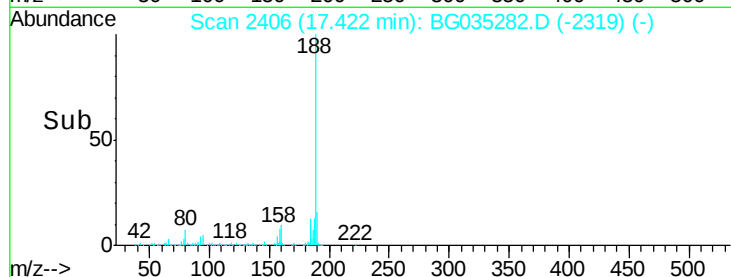
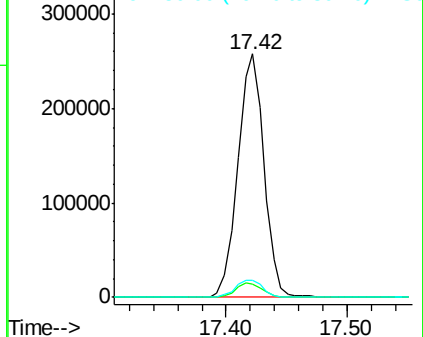
80 7.1 7.7 11.5#



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3132

Delta R.T. -0.03 min

Lab File: BG035282.D

Acq: 21 Jun 2018 2:42

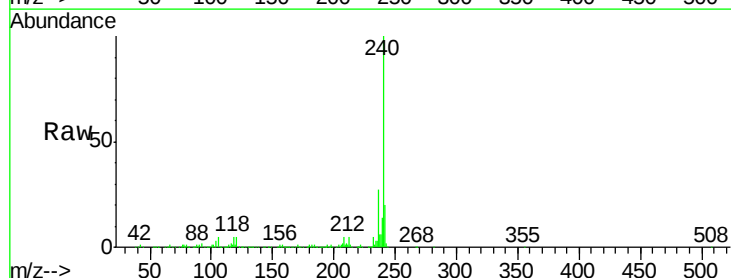
Tgt Ion:240 Resp: 425284

Ion Ratio Lower Upper

240 100

120 5.0 6.8 10.2#

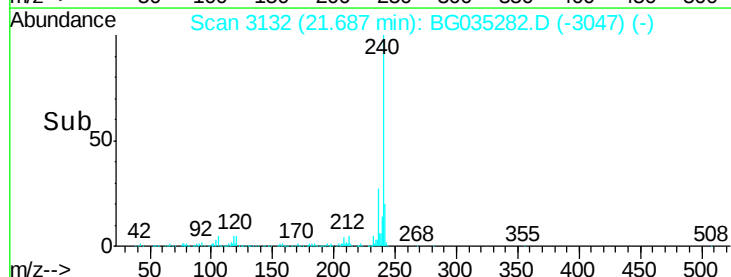
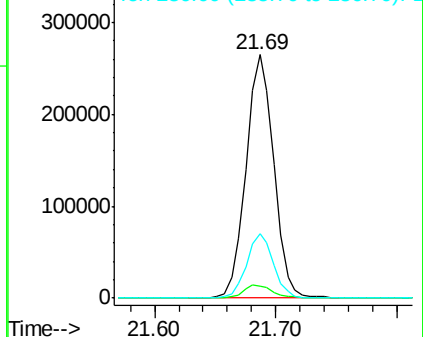
236 26.7 20.9 31.3

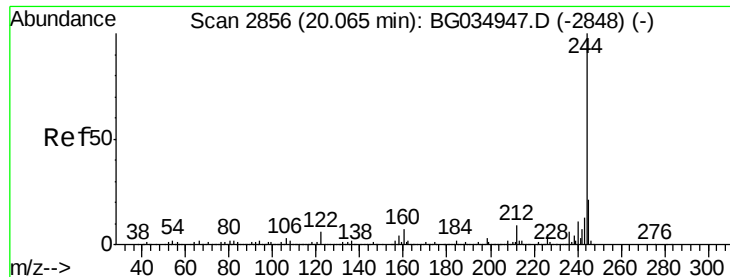


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 96.424 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG035282.D

Acq: 21 Jun 2018 2:42

Instrument :

BNA\_G

ClientSampleId :

CL-02-061918-A

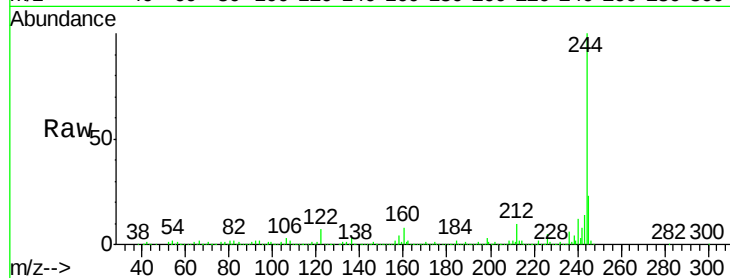
Tgt Ion:244 Resp: 1957701

Ion Ratio Lower Upper

244 100

212 9.8 5.8 8.8#

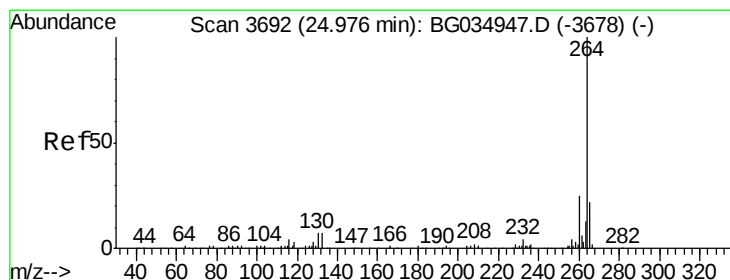
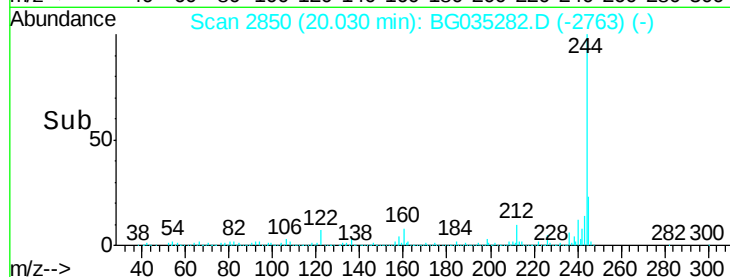
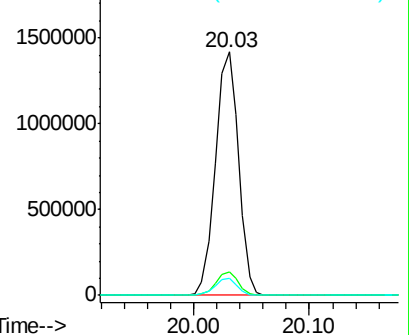
122 6.8 7.0 10.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3680

Delta R.T. -0.05 min

Lab File: BG035282.D

Acq: 21 Jun 2018 2:42

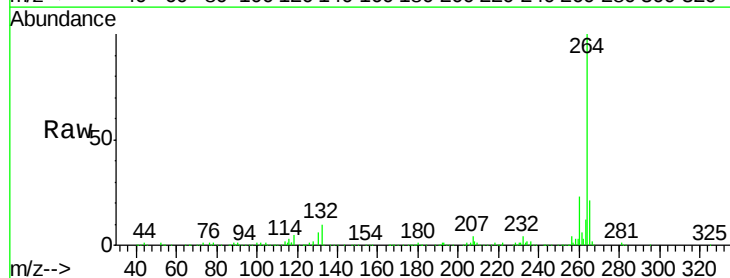
Tgt Ion:264 Resp: 400098

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.0

265 20.7 17.7 26.5



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

