

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061518\  
 Data File : BG035195.D  
 Acq On : 16 Jun 2018 6:41  
 Operator : SJ/JU  
 Sample : J3488-03  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FS-RO-3091

Quant Time: Jun 18 01:40:07 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  | 49669    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.87 | 136  | 191205   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.68 | 164  | 142523   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.42 | 188  | 389795   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.69 | 240  | 428679   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 24.92 | 264  | 362516   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.63  | 112  | 377317   | 128.20 | ng    | 0.00     |
| 7) Phenol-d6                | 7.22  | 99   | 515716   | 118.72 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.22  | 82   | 430231   | 106.96 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.17 | 330  | 287061   | 157.34 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.31 | 172  | 993000   | 90.57  | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.03 | 244  | 1867796  | 91.27  | ng    | -0.02    |

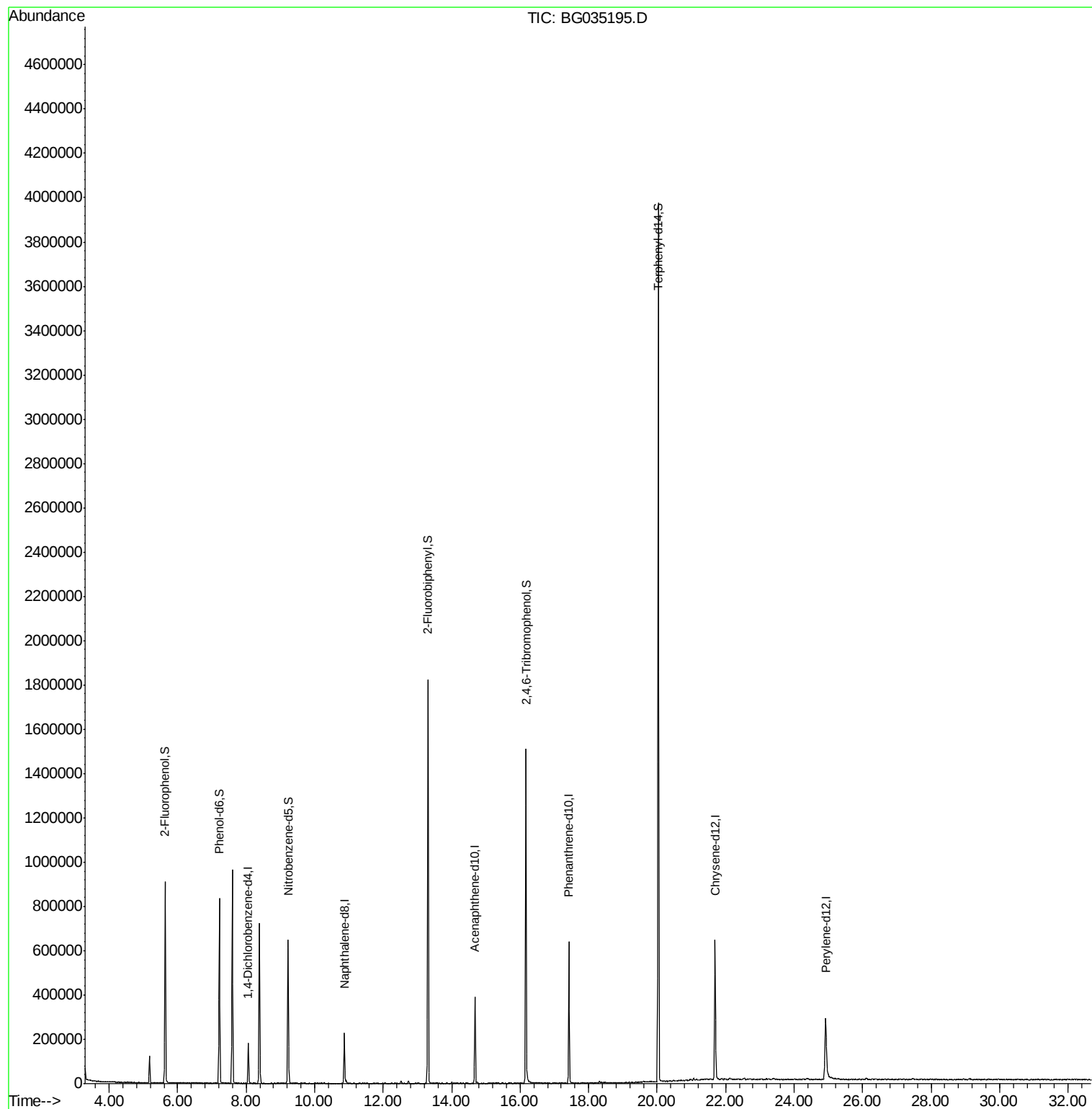
Target Compounds Qvalue

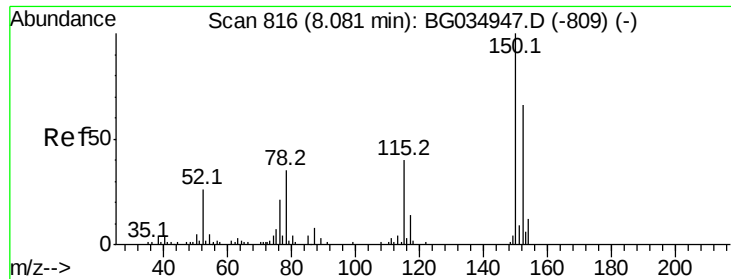
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
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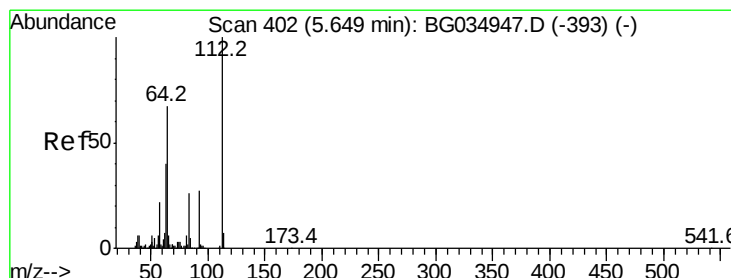
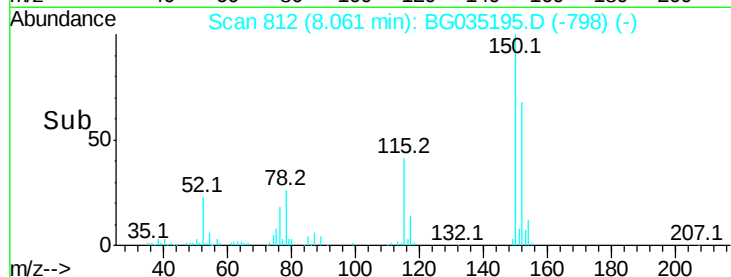
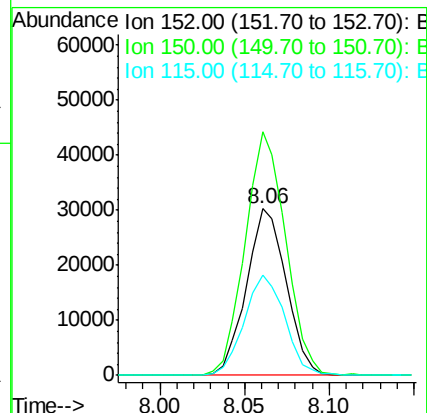
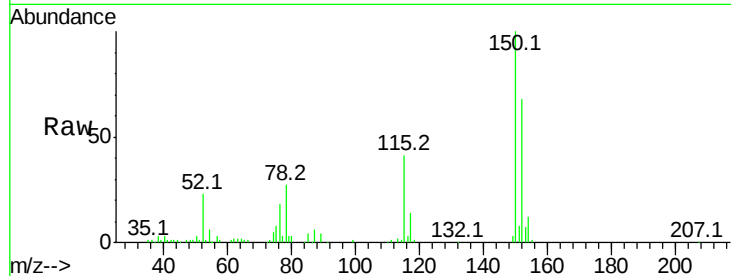


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 812  
Delta R.T. -0.02 min  
Lab File: BG035195.D  
Acq: 16 Jun 2018 6:41

Instrument :  
BNA\_G  
ClientSampleId :  
FS-RO-3091

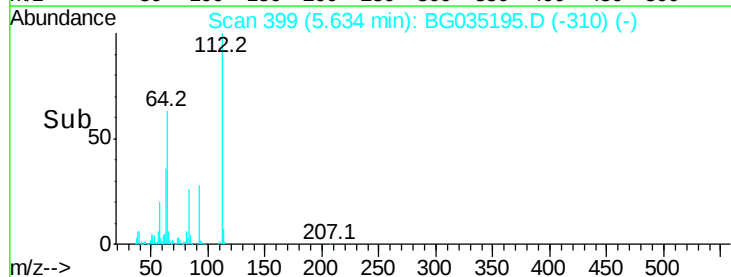
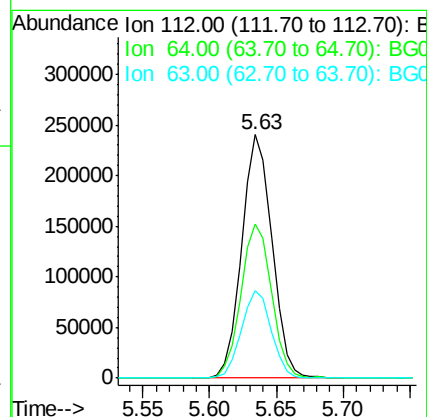
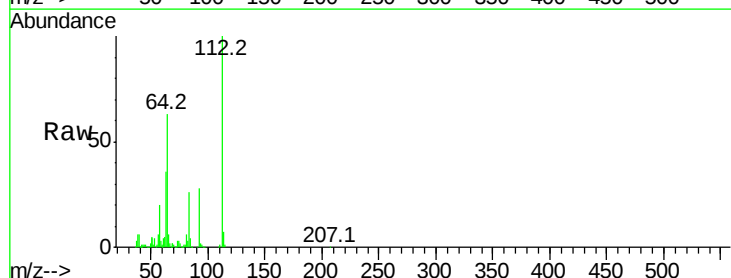
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 146.2 | 126.6 | 189.8 |
| 115     | 60.2  | 53.0  | 79.4  |

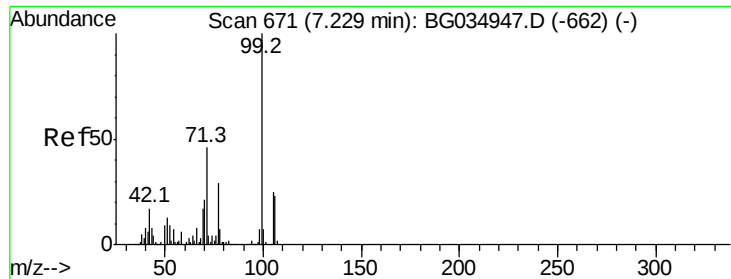


#5

2-Fluorophenol  
Concen: 128.201 ng  
RT: 5.63 min Scan# 399  
Delta R.T. -0.01 min  
Lab File: BG035195.D  
Acq: 16 Jun 2018 6:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.4  | 56.3  | 84.5  |
| 63      | 36.2  | 30.1  | 45.1  |





#7

Phenol-d6

Concen: 118.721 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG035195.D

Acq: 16 Jun 2018 6:41

Instrument :

BNA\_G

ClientSampleId :

FS-RO-3091

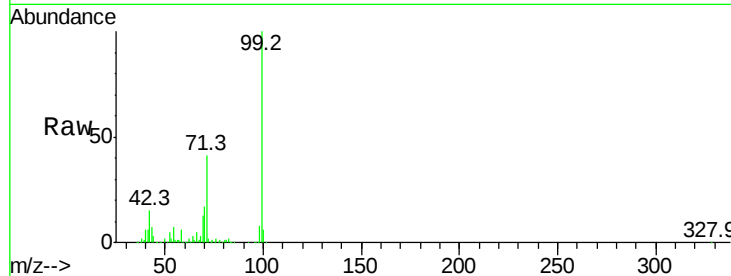
Tot Ion: 99 Resp: 515716

Ion Ratio Lower Upper

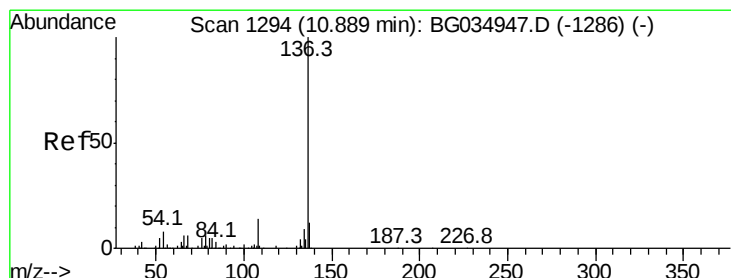
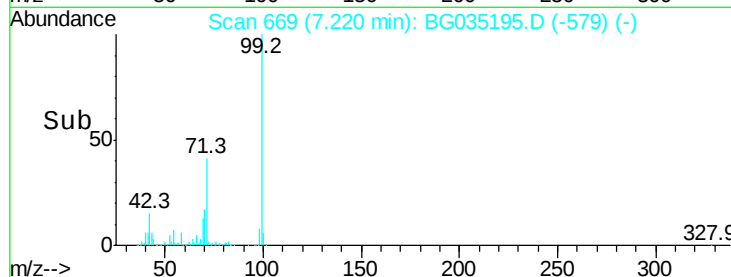
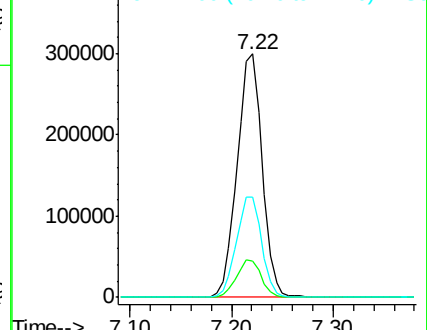
99 100

42 14.9 14.1 21.1

71 41.2 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: 10.87 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BG035195.D

Acq: 16 Jun 2018 6:41

Tgt Ion: 136 Resp: 191205

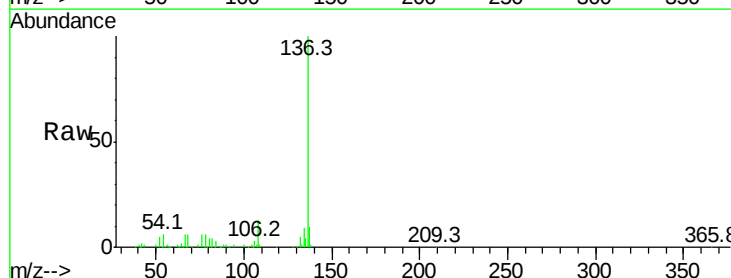
Ion Ratio Lower Upper

136 100

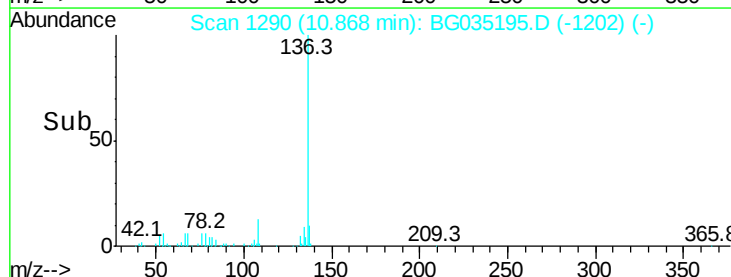
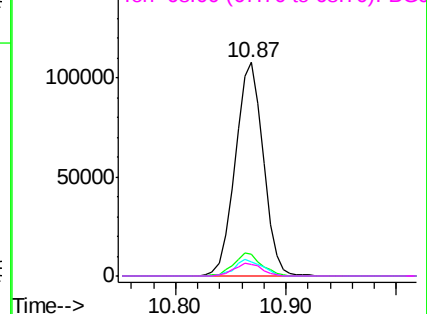
137 10.3 9.2 13.8

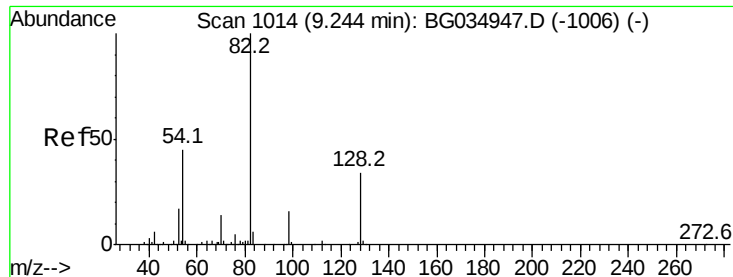
54 6.4 10.3 15.5#

68 5.7 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

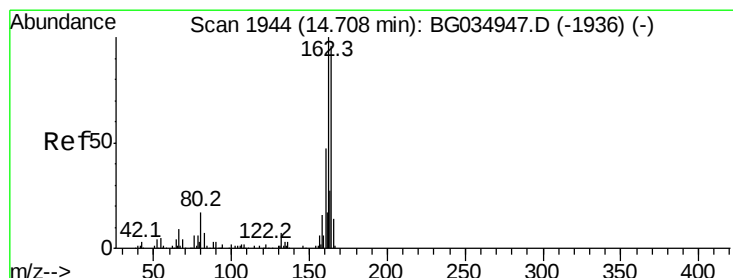
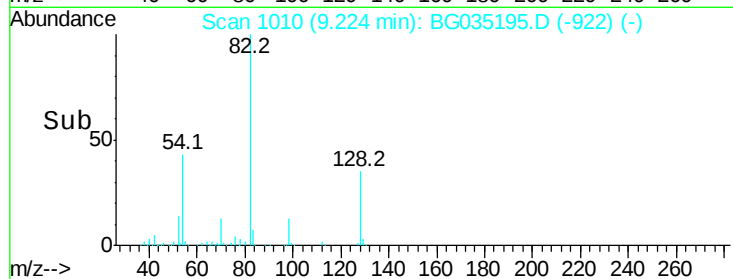
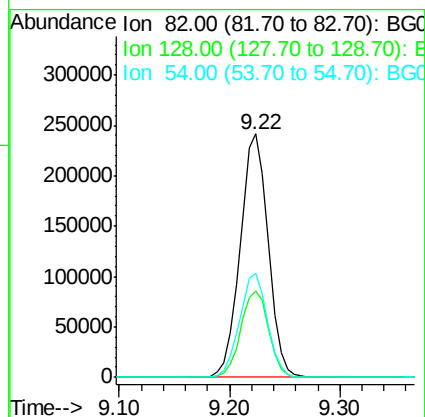
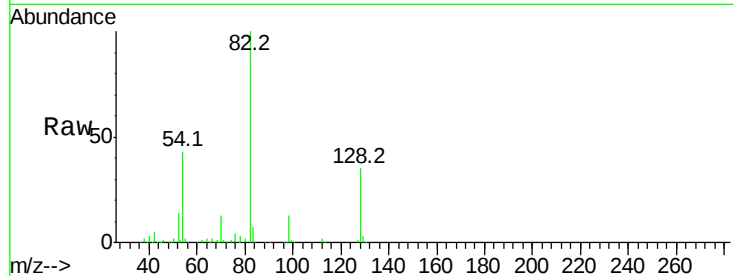




#23  
Nitrobenzene-d5  
Concen: 106.957 ng  
RT: 9.22 min Scan# 1010  
Delta R.T. -0.02 min  
Lab File: BG035195.D  
Acq: 16 Jun 2018 6:41

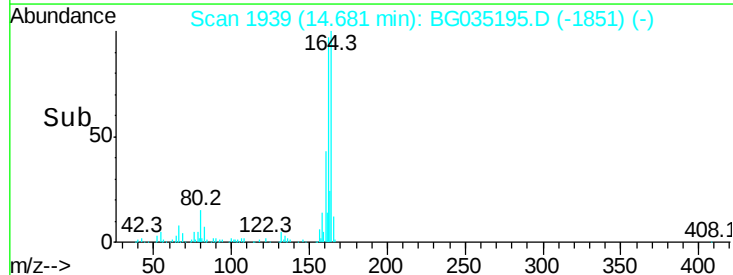
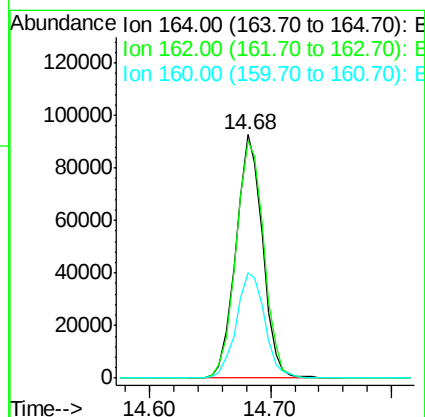
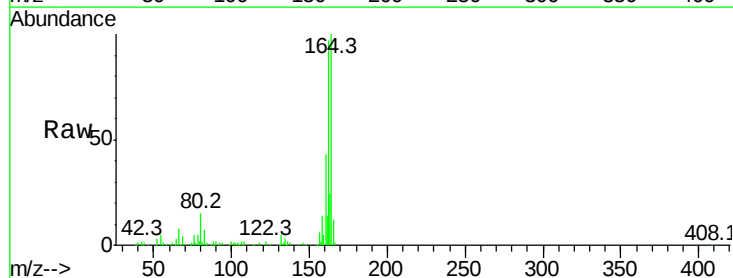
Instrument :  
BNA\_G  
ClientSampleId :  
FS-RO-3091

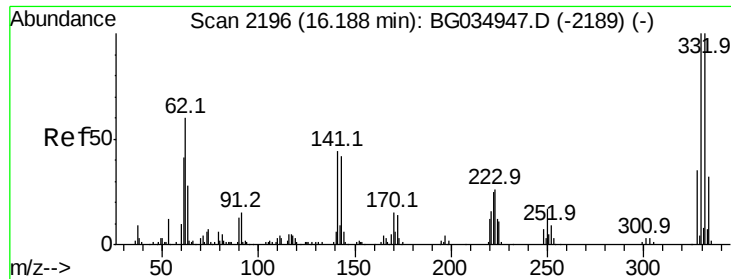
| Tot Ion   | 82   | Resp  | 430231 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 35.2 | 29.7  | 44.5   |
| 54        | 42.7 | 43.1  | 64.7#  |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.68 min Scan# 1939  
Delta R.T. -0.02 min  
Lab File: BG035195.D  
Acq: 16 Jun 2018 6:41

| Tgt Ion   | 164  | Resp  | 142523 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 162       | 97.4 | 78.8  | 118.2  |
| 160       | 43.2 | 35.4  | 53.0   |

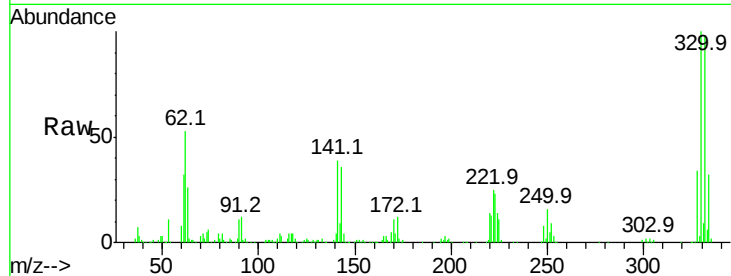




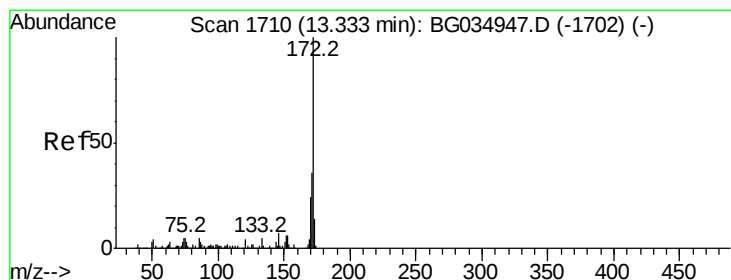
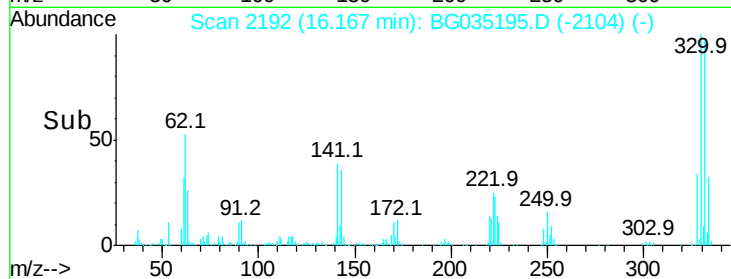
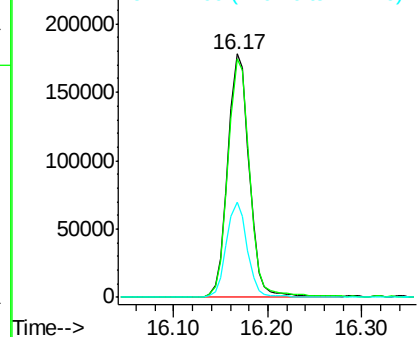
#41  
 2,4,6-Tribromophenol  
 Concen: 157.339 ng  
 RT: 16.17 min Scan# 2192  
 Delta R.T. -0.02 min  
 Lab File: BG035195.D  
 Acq: 16 Jun 2018 6:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FS-RO-3091

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.1  | 77.0  | 115.6 |
| 141     | 37.7  | 25.2  | 37.8  |

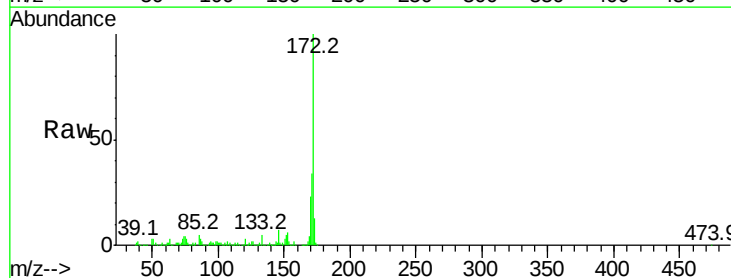


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

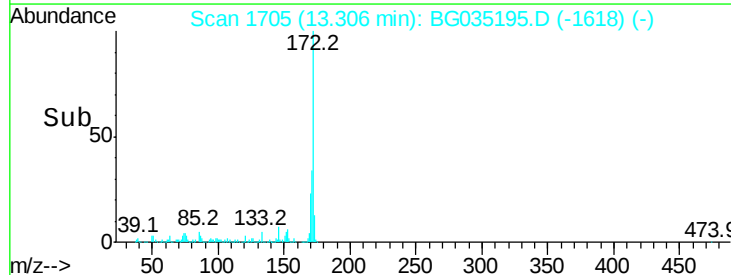
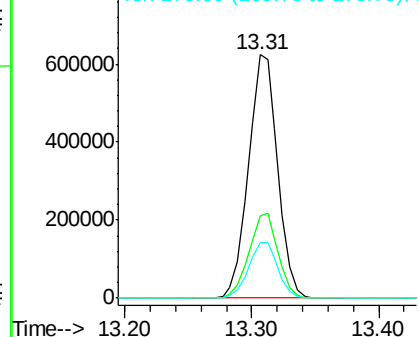


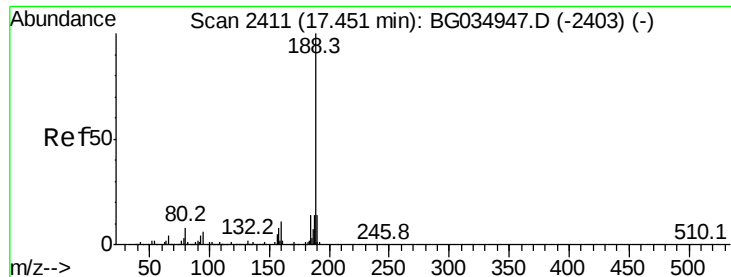
#44  
 2-Fluorobiphenyl  
 Concen: 90.575 ng  
 RT: 13.31 min Scan# 1705  
 Delta R.T. -0.02 min  
 Lab File: BG035195.D  
 Acq: 16 Jun 2018 6:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.9  | 30.0  | 45.0  |
| 170     | 23.0  | 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: BG035195.D

Acq: 16 Jun 2018 6:41

Instrument :

BNA\_G

ClientSampleId :

FS-RO-3091

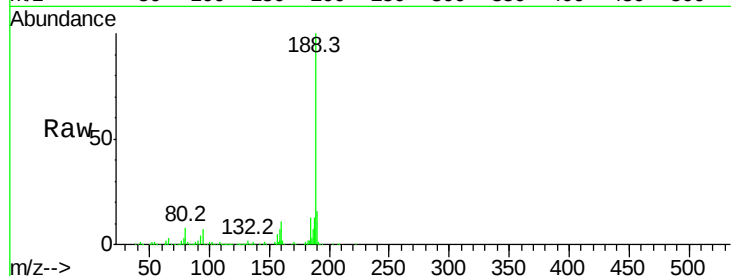
Tot Ion:188 Resp: 389795

Ion Ratio Lower Upper

188 100

94 6.7 6.9 10.3#

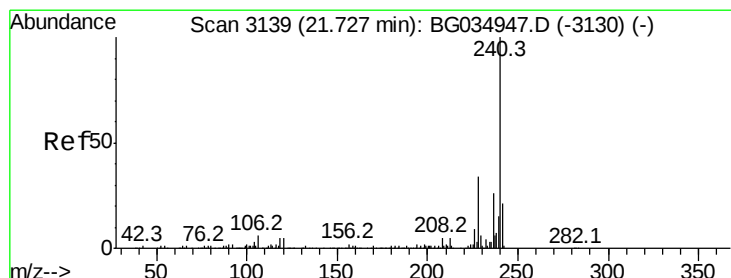
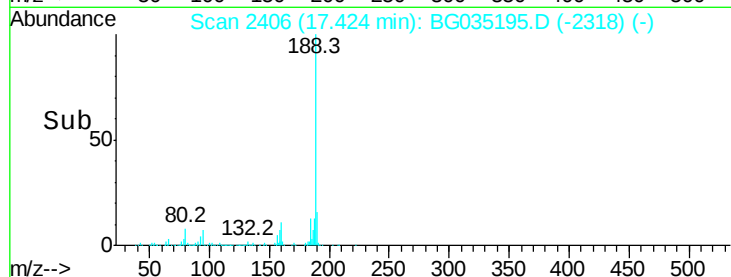
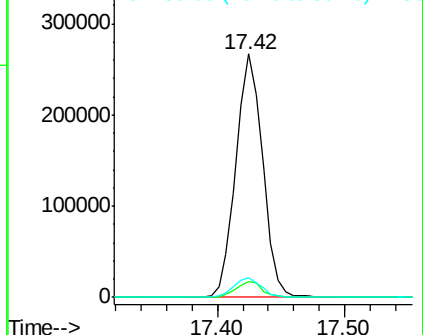
80 8.0 7.7 11.5



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: BG035195.D

Acq: 16 Jun 2018 6:41

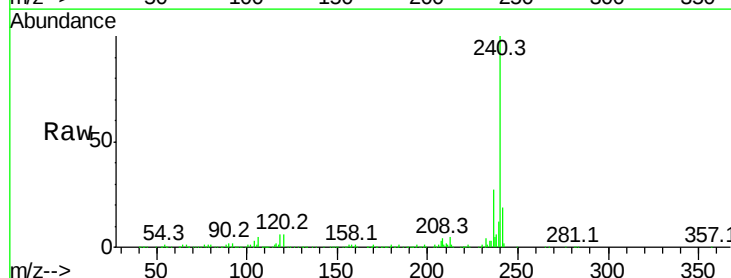
Tgt Ion:240 Resp: 428679

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

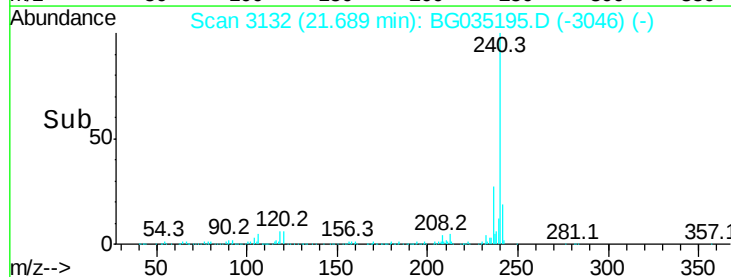
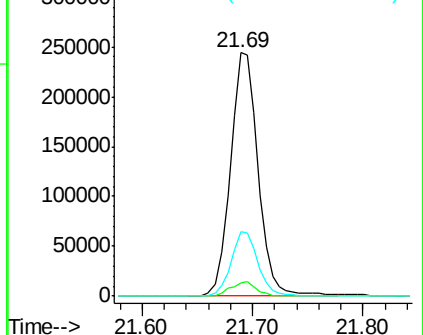
236 26.7 20.9 31.3

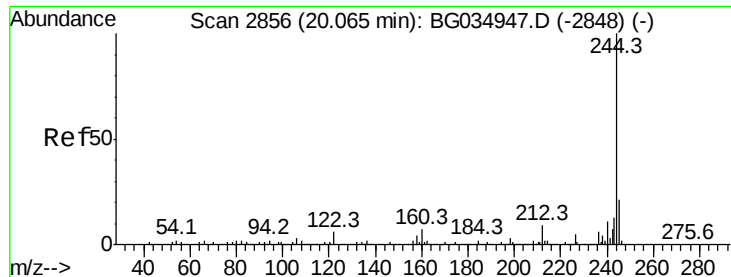


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 91.267 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG035195.D

Acq: 16 Jun 2018 6:41

Instrument :

BNA\_G

ClientSampleId :

FS-RO-3091

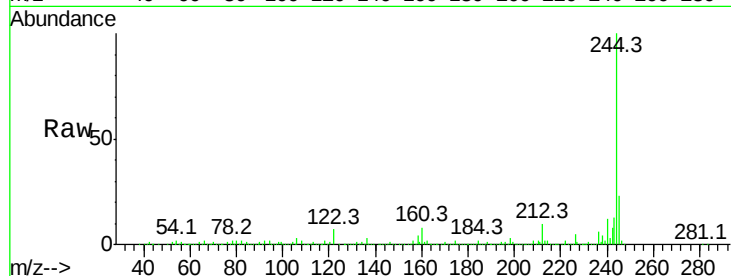
Tot Ion:244 Resp: 1867796

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

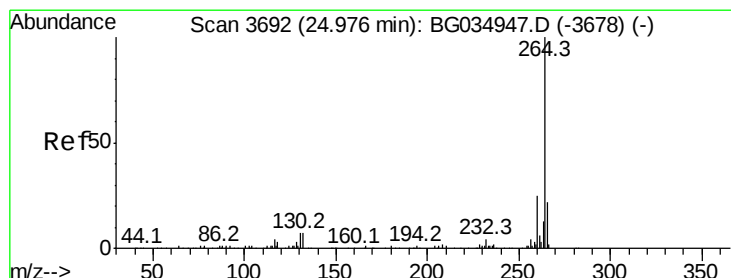
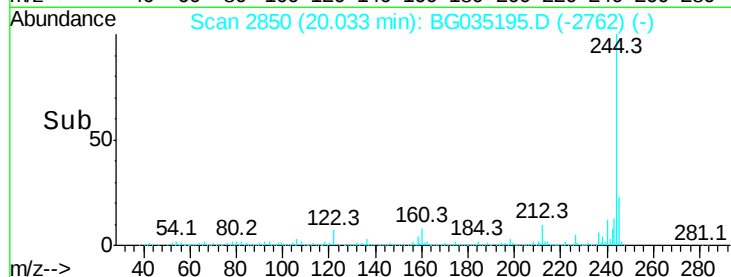
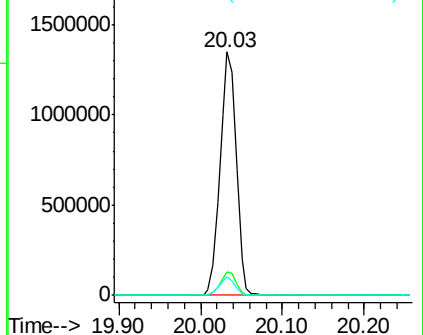
122 7.3 7.0 10.4



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: 24.92 min Scan# 3682

Delta R.T. -0.03 min

Lab File: BG035195.D

Acq: 16 Jun 2018 6:41

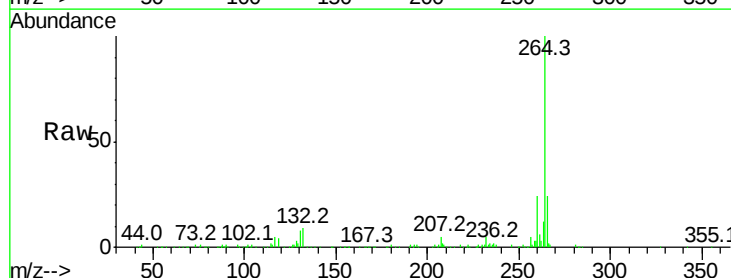
Tgt Ion:264 Resp: 362516

Ion Ratio Lower Upper

264 100

260 24.1 17.4 26.0

265 23.7 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

