

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG041719\  
 Data File : BG040552.D  
 Acq On : 18 Apr 2019 5:54  
 Operator : JU/SJ  
 Sample : K2434-03  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RO-288

Quant Time: Apr 18 07:34:48 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG032719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Apr 13 00:33:11 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 54437    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.86 | 136  | 205303   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.67 | 164  | 121394   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.42 | 188  | 325943   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.69 | 240  | 335233   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.96 | 264  | 348142   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 377653   | 115.33 | ng    | 0.00     |
| 7) Phenol-d6                | 7.20  | 99   | 455573   | 100.67 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.22  | 82   | 359206   | 93.00  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.16 | 330  | 209484   | 159.67 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.30 | 172  | 743004   | 90.69  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.02 | 244  | 1395972  | 93.68  | ng    | 0.00     |

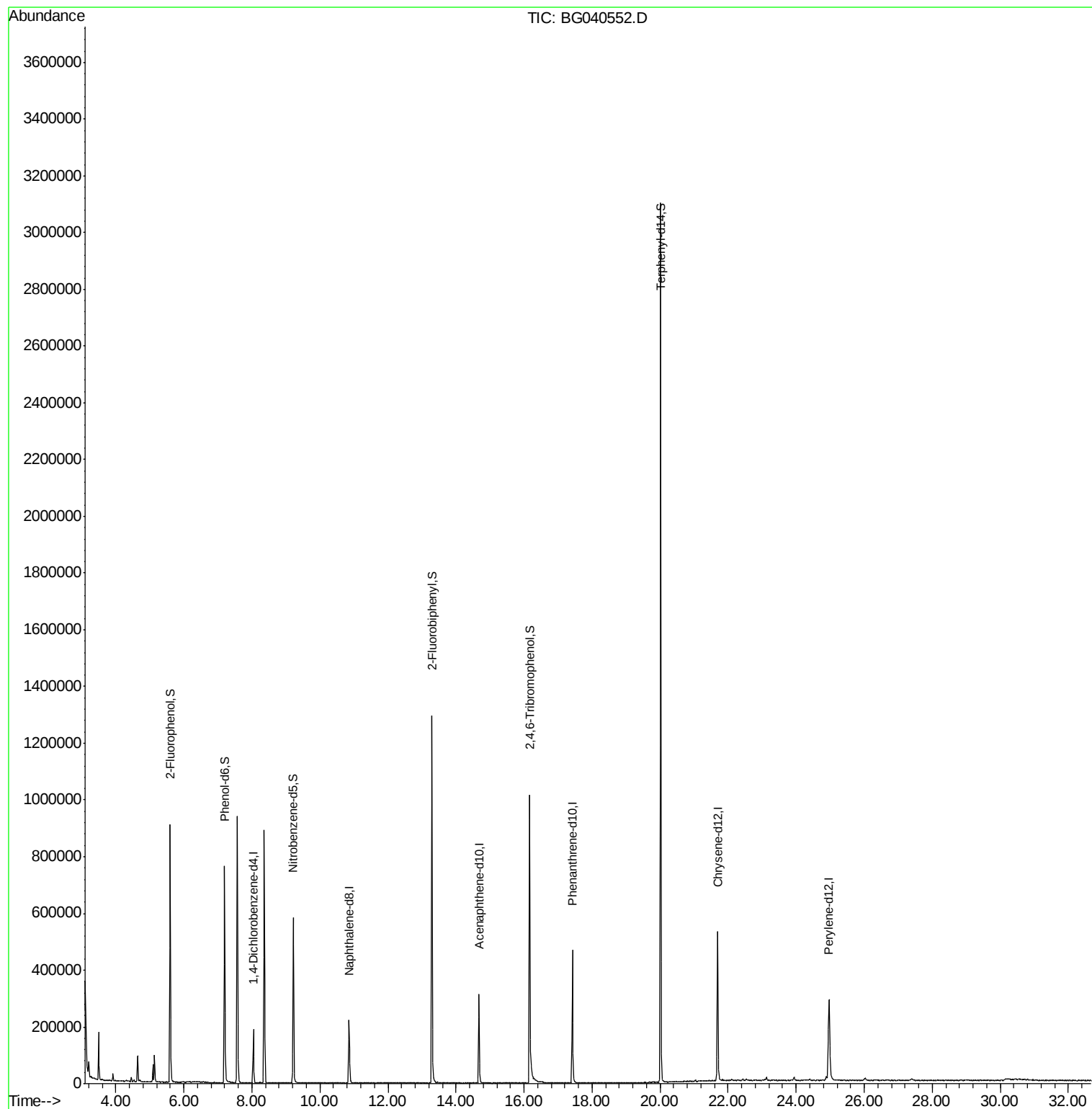
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

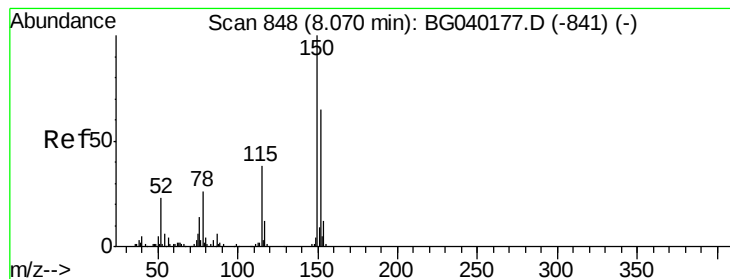
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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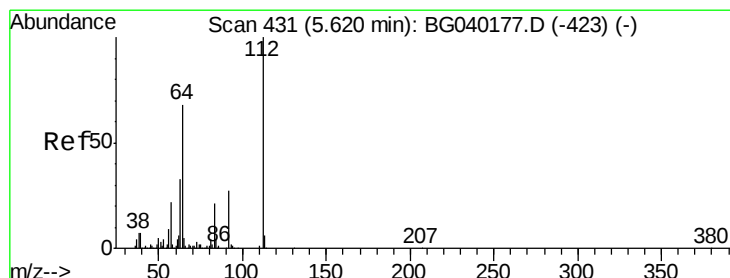
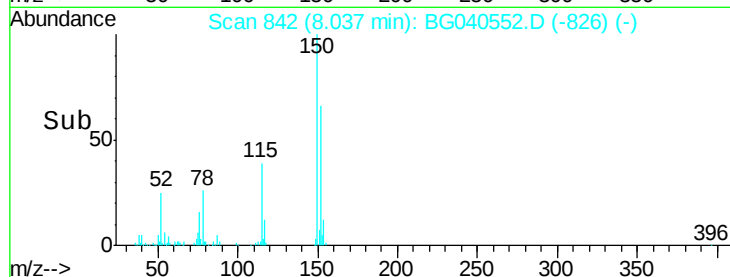
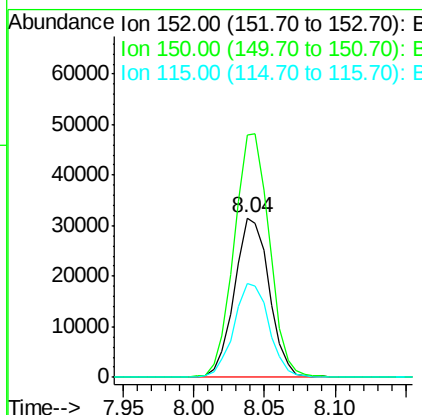
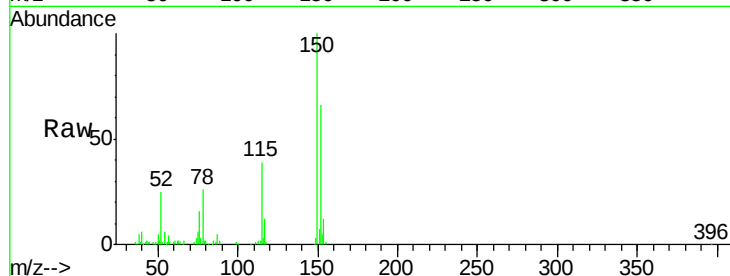


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.04 min Scan# 842  
Delta R.T. -0.01 min  
Lab File: BG040552.D  
Acq: 18 Apr 2019 5:54

Instrument :  
BNA\_G  
ClientSampleId :  
RO-288

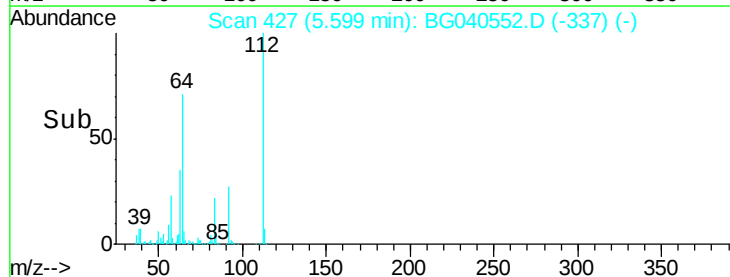
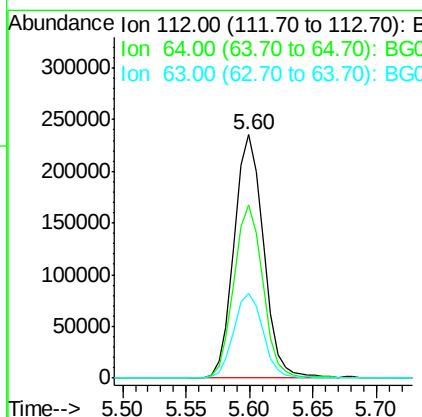
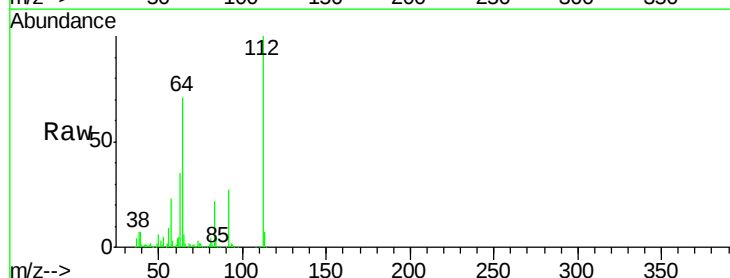
Tgt Ion:152 Resp: 54437  
Ion Ratio Lower Upper  
152 100  
150 152.0 123.7 185.5  
115 58.8 46.9 70.3



#5

2-Fluorophenol  
Concen: 115.329 ng  
RT: 5.60 min Scan# 427  
Delta R.T. -0.00 min  
Lab File: BG040552.D  
Acq: 18 Apr 2019 5:54

Tgt Ion:112 Resp: 377653  
Ion Ratio Lower Upper  
112 100  
64 71.2 54.2 81.2  
63 34.9 26.4 39.6





#7

Phenol-d6

Concen: 100.668 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG040552.D

Acq: 18 Apr 2019 5:54

Instrument :

BNA\_G

ClientSampleId :

RO-288

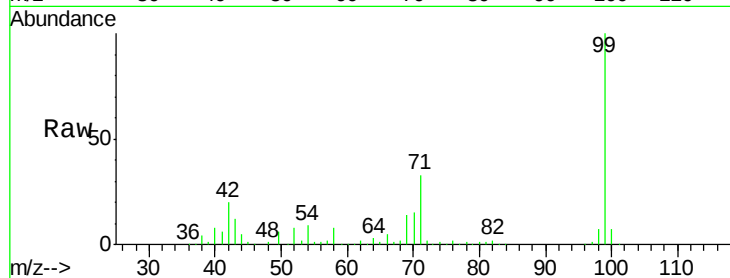
Tgt Ion: 99 Resp: 455573

Ion Ratio Lower Upper

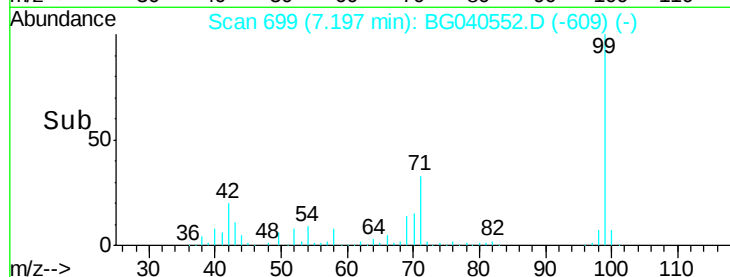
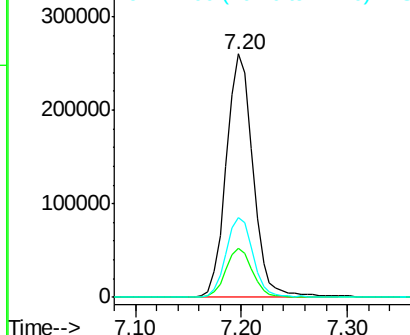
99 100

42 20.2 16.2 24.2

71 32.9 26.8 40.2



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# 1322

Delta R.T. -0.00 min

Lab File: BG040552.D

Acq: 18 Apr 2019 5:54

Tgt Ion: 136 Resp: 205303

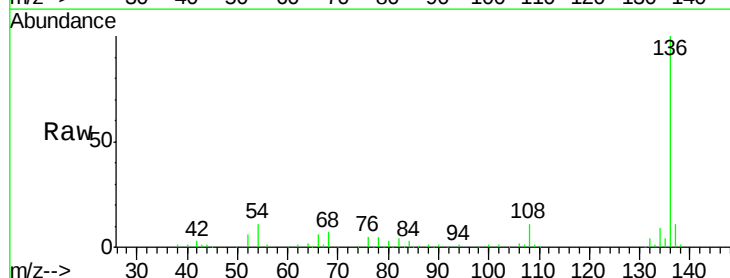
Ion Ratio Lower Upper

136 100

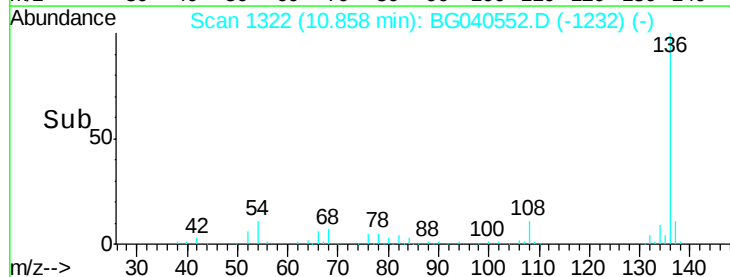
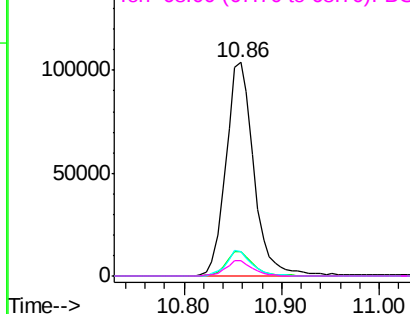
137 11.2 8.9 13.3

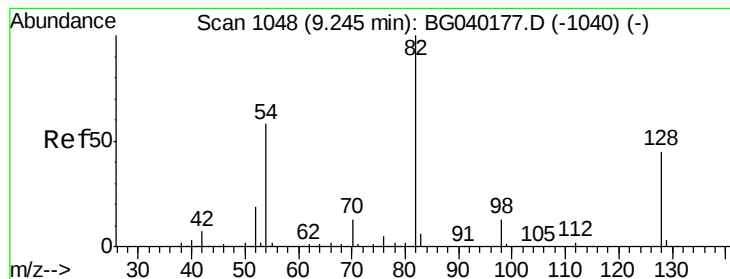
54 11.2 9.6 14.4

68 7.1 5.1 7.7



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: 92.999 ng

RT: 9.22 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BG040552.D

Acq: 18 Apr 2019 5:54

Instrument :

BNA\_G

ClientSampleId :

RO-288

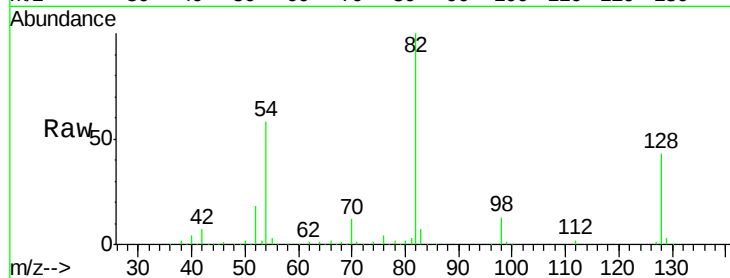
Tgt Ion: 82 Resp: 359206

Ion Ratio Lower Upper

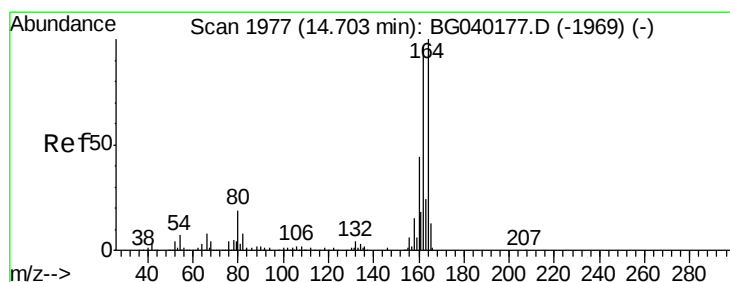
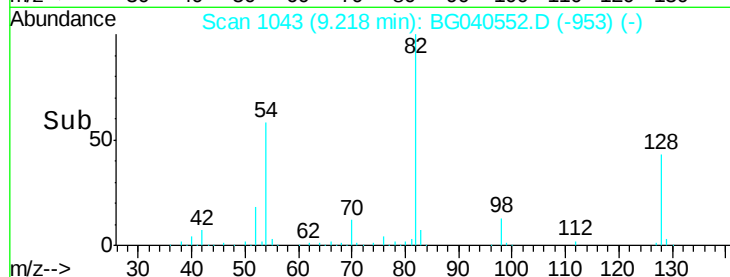
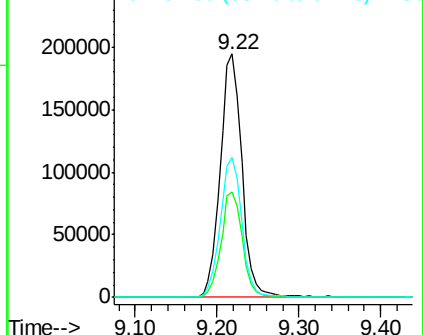
82 100

128 43.1 35.8 53.8

54 57.7 46.2 69.2



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: 14.67 min Scan# 1971

Delta R.T. -0.01 min

Lab File: BG040552.D

Acq: 18 Apr 2019 5:54

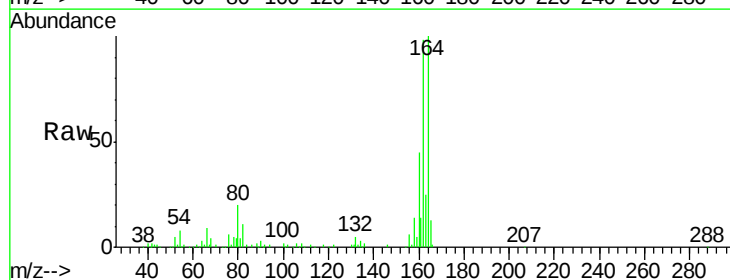
Tgt Ion: 164 Resp: 121394

Ion Ratio Lower Upper

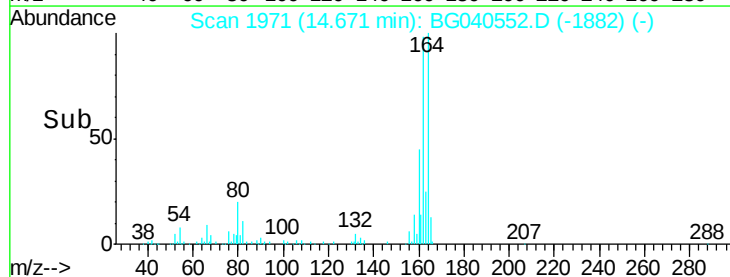
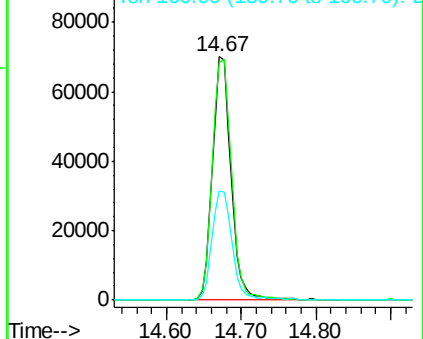
164 100

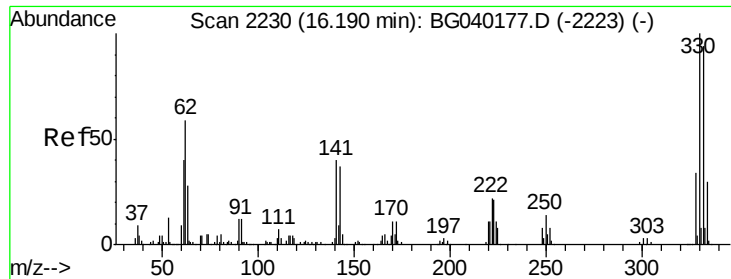
162 97.5 77.4 116.2

160 45.0 35.3 52.9



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

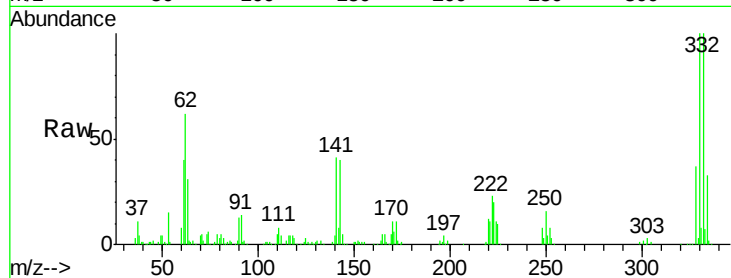




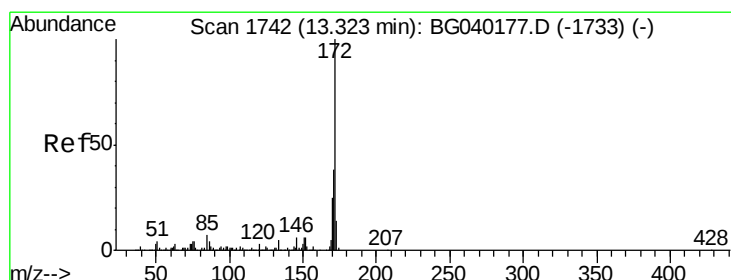
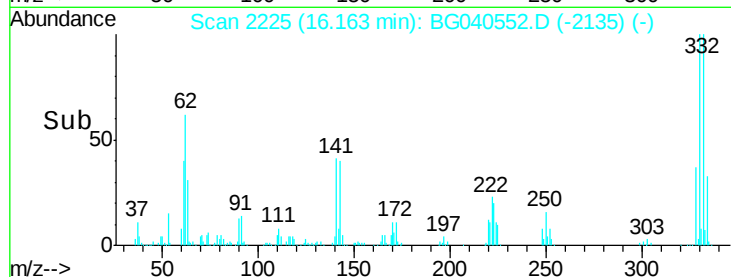
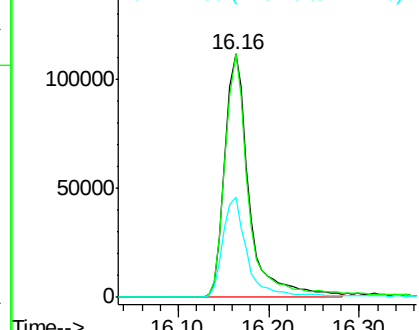
#42  
 2,4,6-Tribromophenol  
 Concen: 159.673 ng  
 RT: 16.16 min Scan# 2225  
 Delta R.T. -0.00 min  
 Lab File: BG040552.D  
 Acq: 18 Apr 2019 5:54

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RO-288

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.3  | 76.6  | 115.0 |
| 141     | 40.2  | 32.6  | 48.8  |

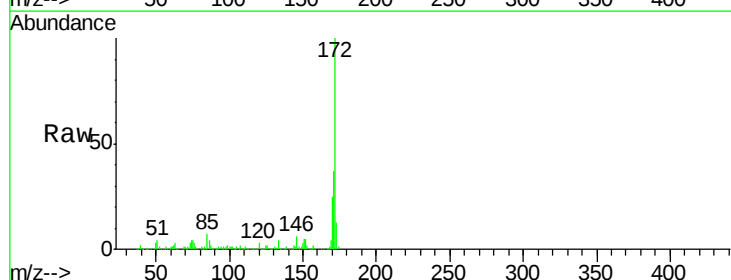


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

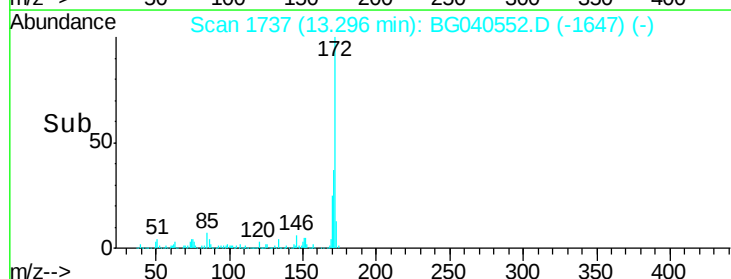
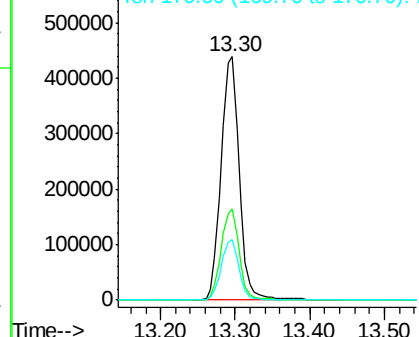


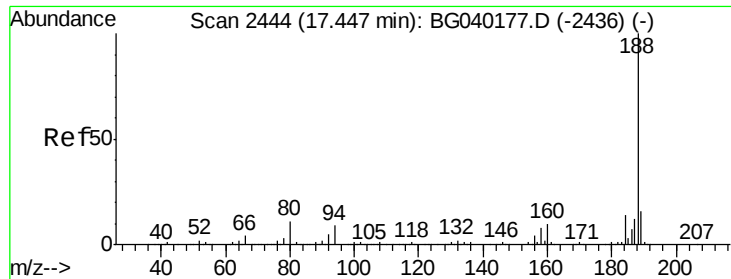
#45  
 2-Fluorobiphenyl  
 Concen: 90.693 ng  
 RT: 13.30 min Scan# 1737  
 Delta R.T. -0.00 min  
 Lab File: BG040552.D  
 Acq: 18 Apr 2019 5:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.3  | 30.5  | 45.7  |
| 170     | 24.7  | 20.1  | 30.1  |



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

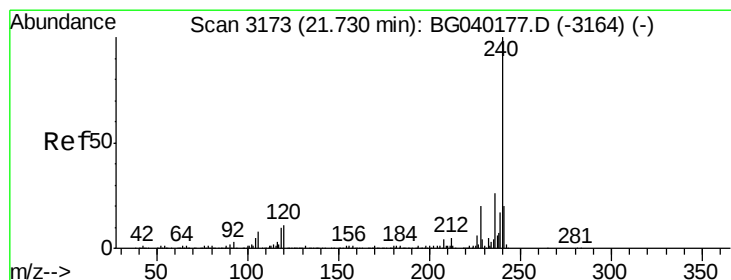
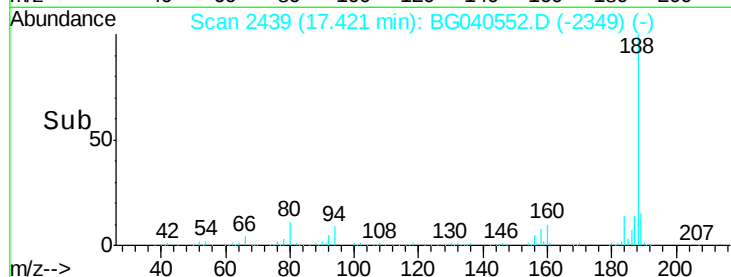
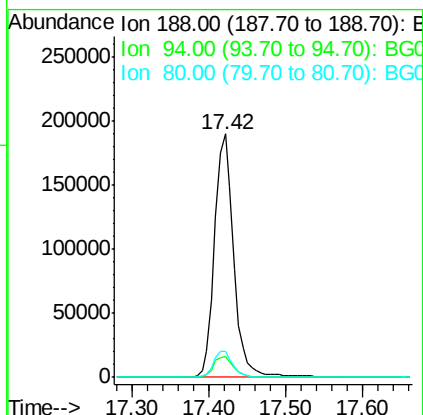
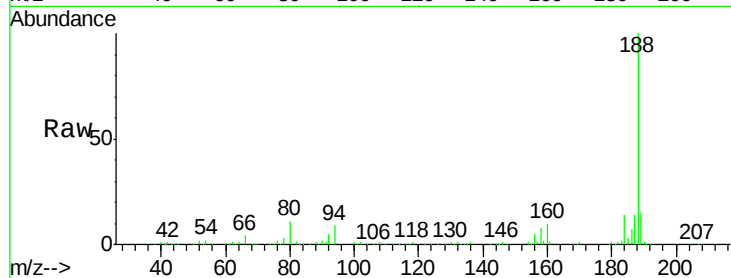




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.42 min Scan# 2439  
Delta R.T. -0.00 min  
Lab File: BG040552.D  
Acq: 18 Apr 2019 5:54

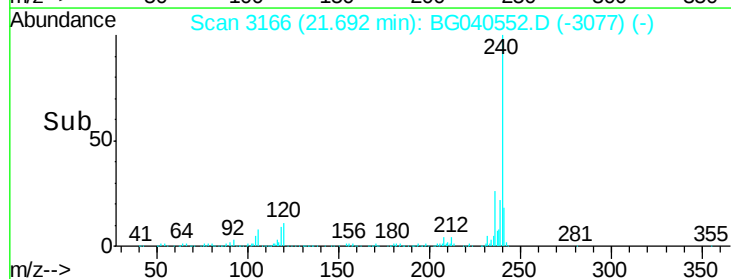
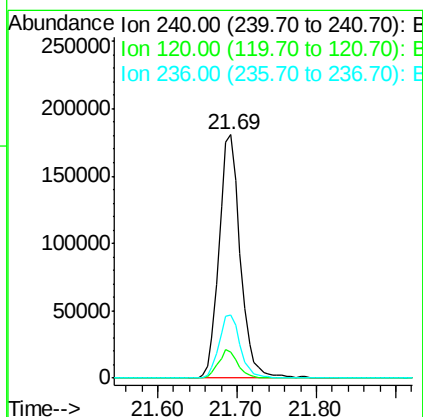
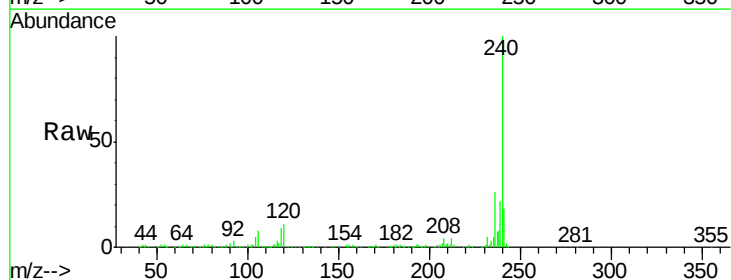
Instrument :  
BNA\_G  
ClientSampled :  
RO-288

Tgt Ion:188 Resp: 325943  
Ion Ratio Lower Upper  
188 100  
94 8.6 7.0 10.4  
80 10.7 8.6 13.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.69 min Scan# 3166  
Delta R.T. -0.01 min  
Lab File: BG040552.D  
Acq: 18 Apr 2019 5:54

Tgt Ion:240 Resp: 335233  
Ion Ratio Lower Upper  
240 100  
120 10.5 8.4 12.6  
236 25.9 20.8 31.2





#79

Terphenyl-d14

Concen: 93.680 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG040552.D

Acq: 18 Apr 2019 5:54

Instrument :

BNA\_G

ClientSampleId :

RO-288

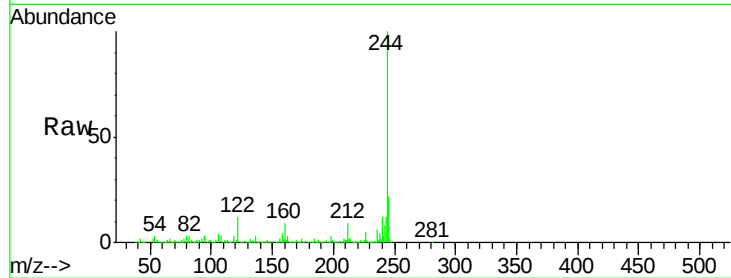
Tgt Ion:244 Resp: 1395972

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.6

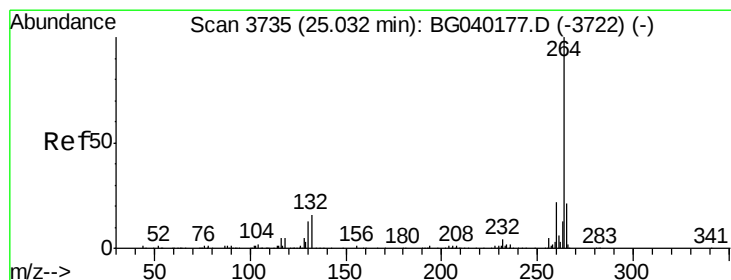
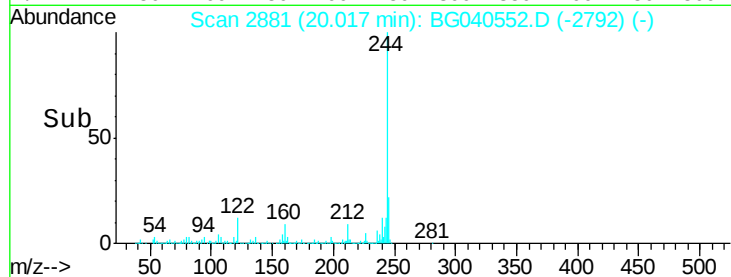
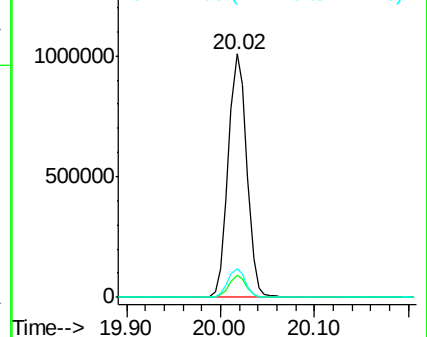
122 11.6 8.5 12.7



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: 24.96 min Scan# 3723

Delta R.T. -0.01 min

Lab File: BG040552.D

Acq: 18 Apr 2019 5:54

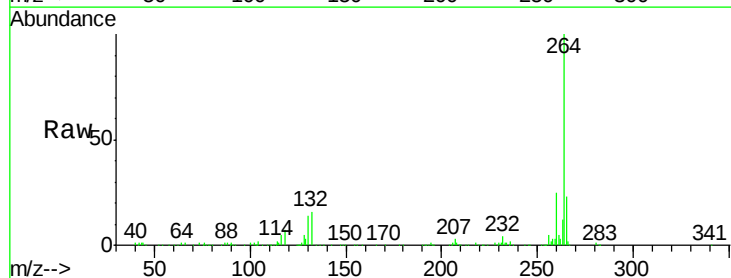
Tgt Ion:264 Resp: 348142

Ion Ratio Lower Upper

264 100

260 24.6 17.9 26.9

265 22.7 16.8 25.2



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

