

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060717\  
 Data File : BG027297.D  
 Acq On : 7 Jun 2017 23:53  
 Operator : SJ/MA  
 Sample : I3486-03  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HD-RO-20397-060517

Quant Time: Jun 08 07:04:13 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:00:35 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.56  | 152  | 49049    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 11.38 | 136  | 226485   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 15.14 | 164  | 146032   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.89 | 188  | 360163   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 22.27 | 240  | 409114   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12            | 25.96 | 264  | 376975   | 20.00  | ng    | -0.07    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.14  | 112  | 468421   | 145.73 | ng    | -0.01    |
| 7) Phenol-d6                | 7.69  | 99   | 617385   | 130.85 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.72  | 82   | 400592   | 111.24 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.62 | 330  | 321925   | 167.41 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 13.76 | 172  | 955486   | 91.53  | ng    | -0.03    |
| 78) Terphenyl-d14           | 20.47 | 244  | 1692337  | 105.52 | ng    | -0.03    |

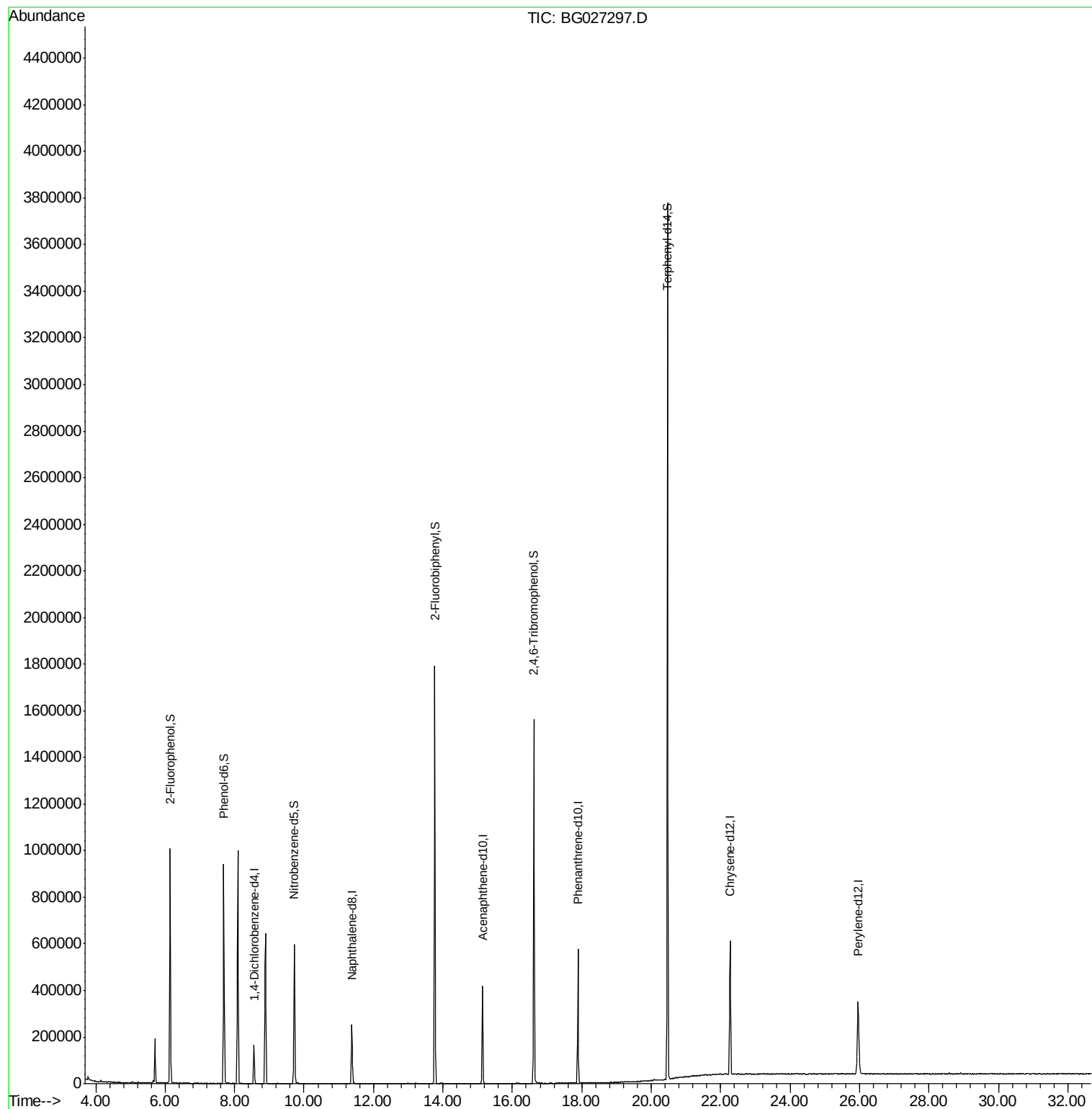
Target Compounds Qvalue

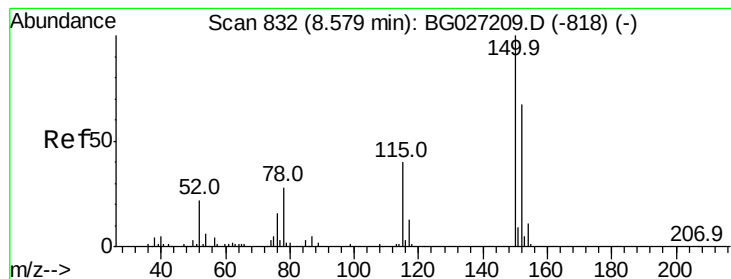
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 05 16:00:35 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.56 min Scan# 829

Delta R.T. -0.02 min

Lab File: BG027297.D

Acq: 7 Jun 2017 23:53

Instrument :

BNA\_G

ClientSampleId :

HD-RO-20397-060517

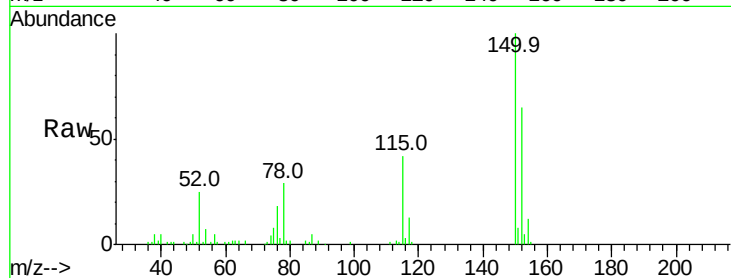
Tot Ion:152 Resp: 49049

Ion Ratio Lower Upper

152 100

150 152.8 114.0 171.0

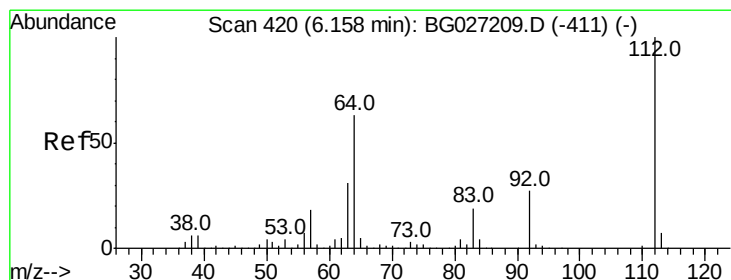
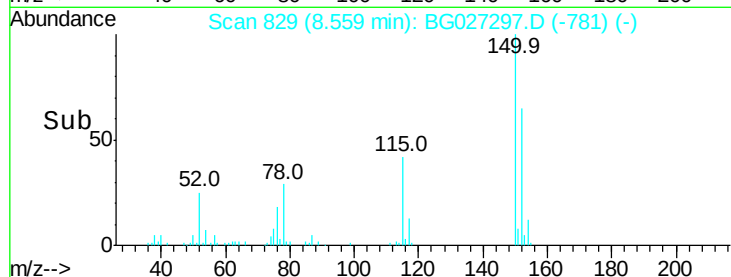
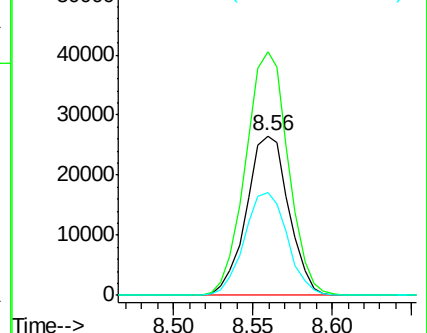
115 64.2 48.1 72.1



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: 145.73 ng

RT: 6.14 min Scan# 418

Delta R.T. -0.01 min

Lab File: BG027297.D

Acq: 7 Jun 2017 23:53

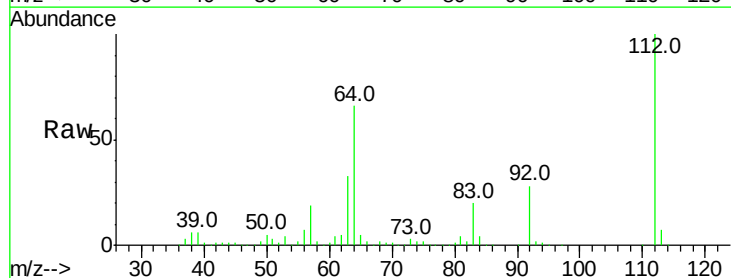
Tgt Ion:112 Resp: 468421

Ion Ratio Lower Upper

112 100

64 65.9 61.8 92.6

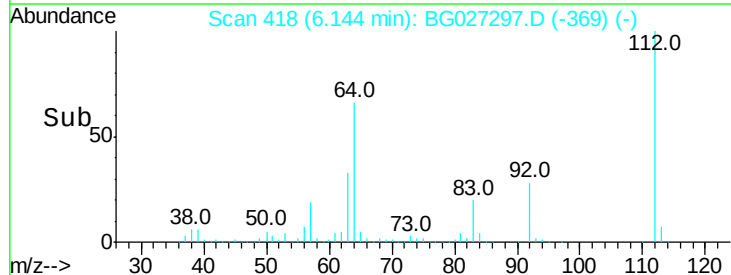
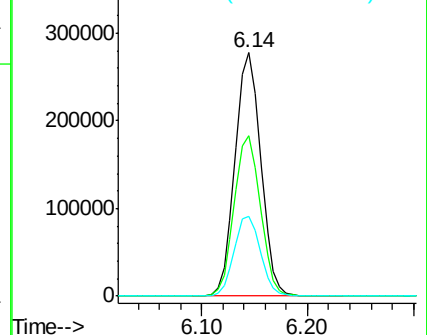
63 32.8 37.2 55.8#

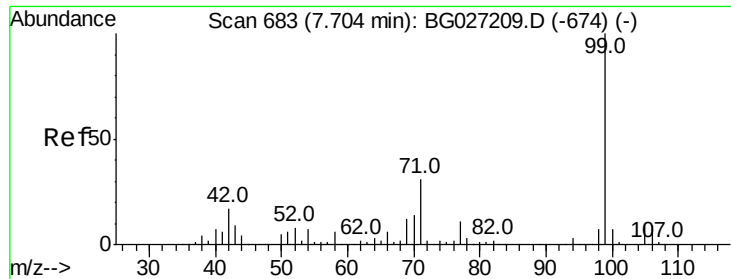


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 130.85 ng

RT: 7.69 min Scan# 681

Delta R.T. -0.01 min

Lab File: BG027297.D

Acq: 7 Jun 2017 23:53

Instrument :

BNA\_G

ClientSampleId :

HD-RO-20397-060517

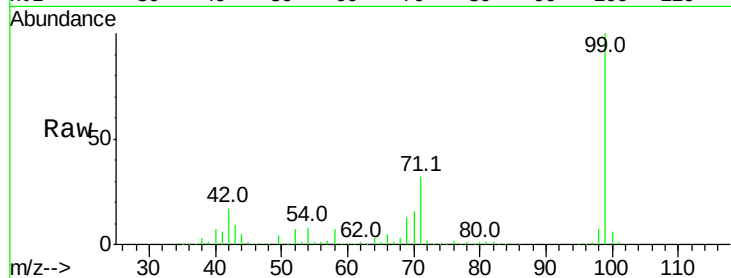
Tot Ion: 99 Resp: 617385

Ion Ratio Lower Upper

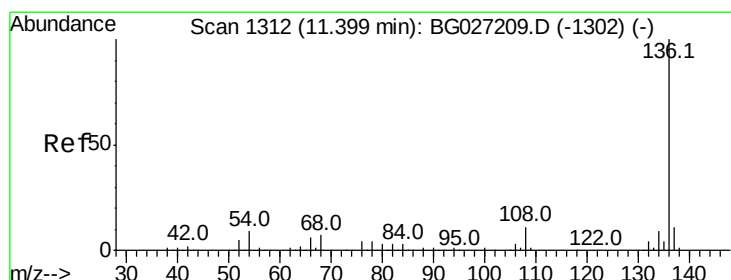
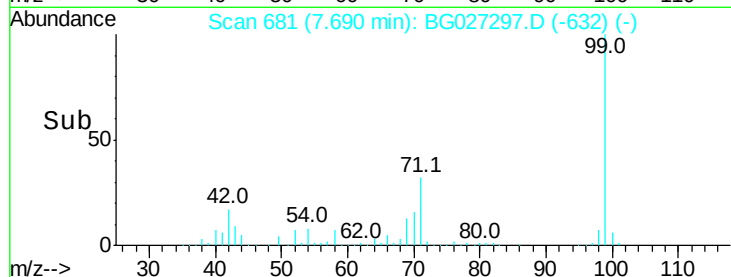
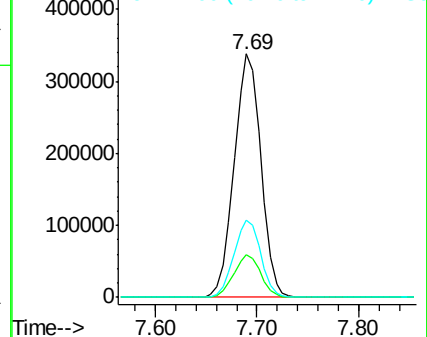
99 100

42 17.3 20.5 30.7#

71 31.8 37.6 56.4#



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: 20.00 ng

RT: 11.38 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BG027297.D

Acq: 7 Jun 2017 23:53

Tgt Ion: 136 Resp: 226485

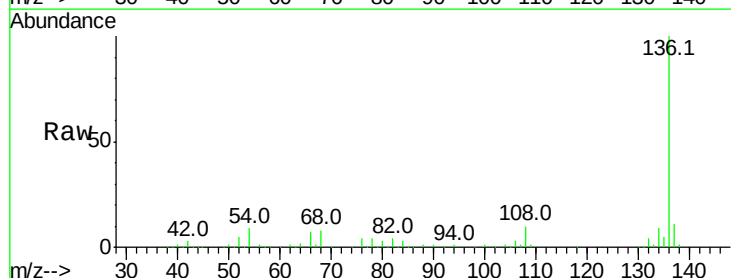
Ion Ratio Lower Upper

136 100

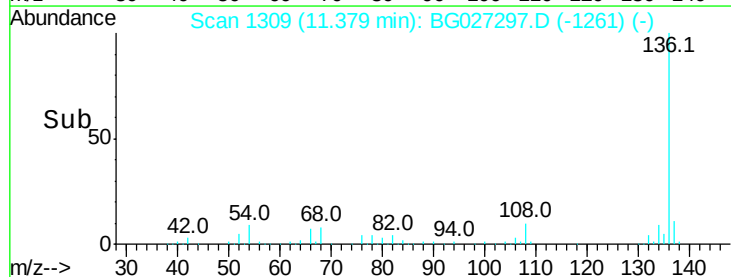
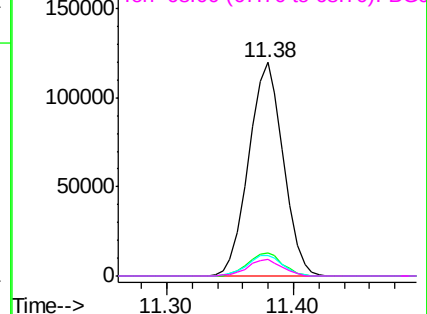
137 10.6 8.9 13.3

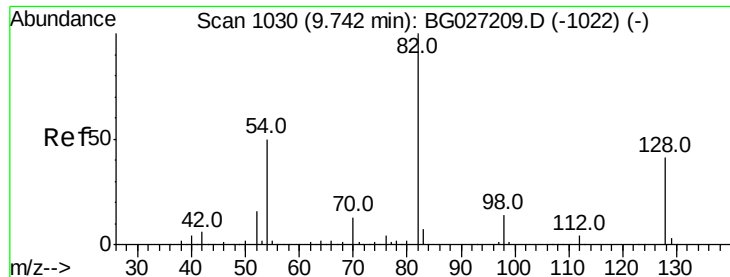
54 9.3 9.3 13.9

68 7.6 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

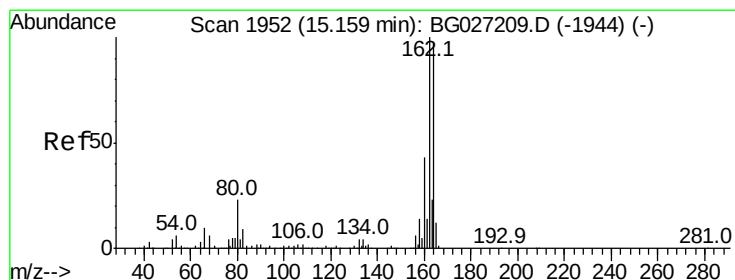
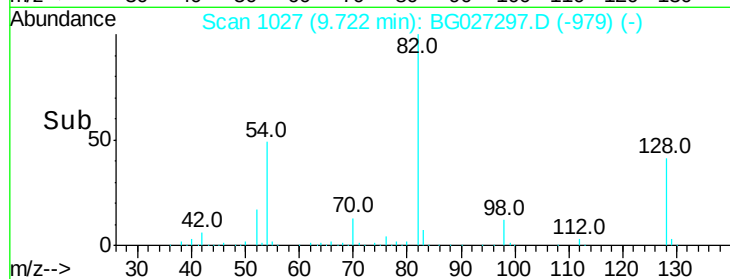
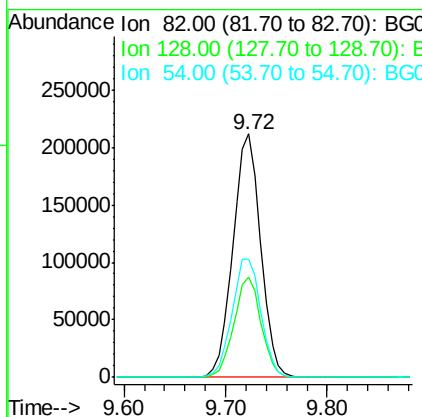
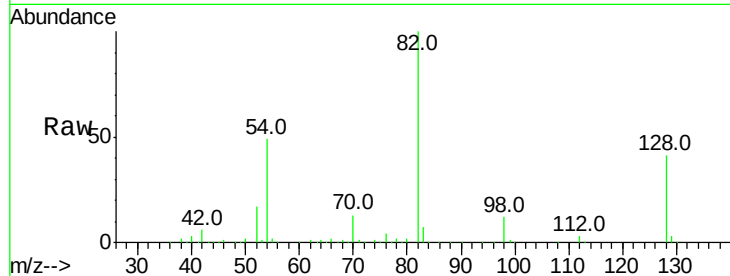




#23  
 Nitrobenzene-d5  
 Concen: 111.24 ng  
 RT: 9.72 min Scan# 1027  
 Delta R.T. -0.02 min  
 Lab File: BG027297.D  
 Acq: 7 Jun 2017 23:53

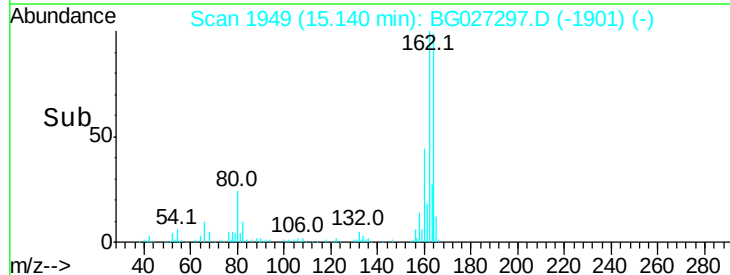
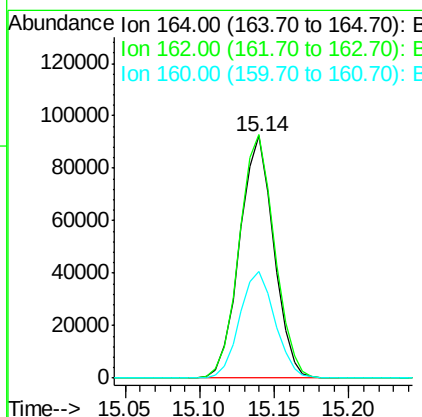
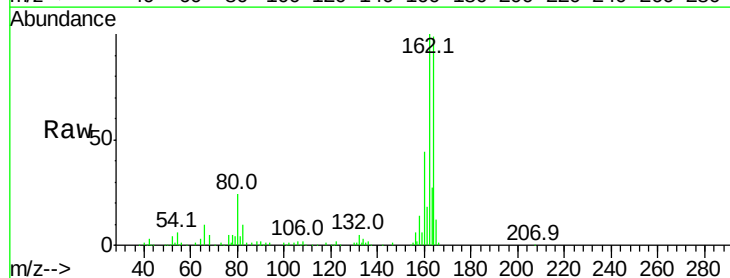
Instrument :  
 BNA\_G  
 ClientSampleId :  
 HD-RO-20397-060517

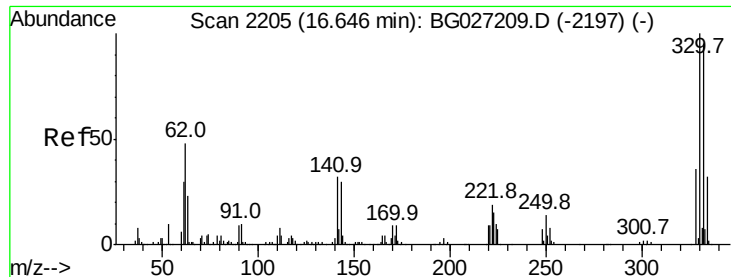
| Tot Ion   | 82    | Resp  | 400592 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.0  | 26.4  | 39.6#  |
| 54        | 48.7  | 49.4  | 74.2#  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 15.14 min Scan# 1949  
 Delta R.T. -0.02 min  
 Lab File: BG027297.D  
 Acq: 7 Jun 2017 23:53

| Tgt Ion   | 164   | Resp  | 146032 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 100.6 | 85.1  | 127.7  |
| 160       | 44.1  | 34.7  | 52.1   |





#41

2,4,6-Tribromophenol

Concen: 167.41 ng

RT: 16.62 min Scan# 2201

Delta R.T. -0.03 min

Lab File: BG027297.D

Acq: 7 Jun 2017 23:53

Instrument :

BNA\_G

ClientSampleId :

HD-RO-20397-060517

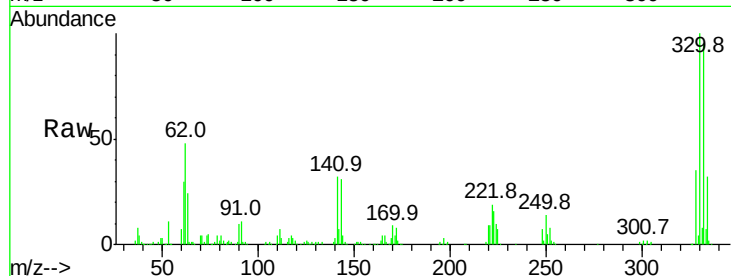
Tot Ion:330 Resp: 321925

Ion Ratio Lower Upper

330 100

332 96.0 77.3 115.9

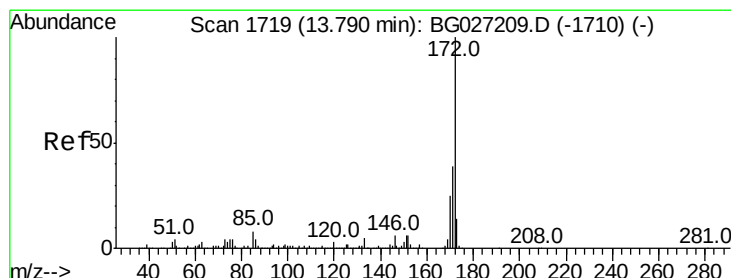
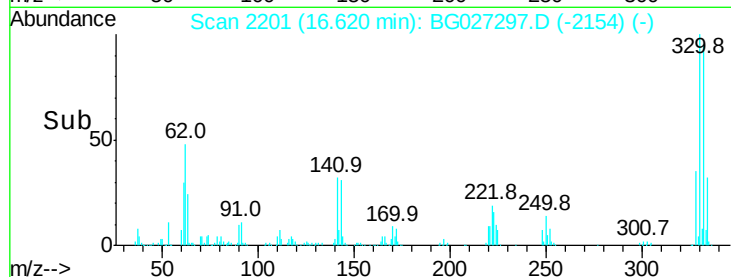
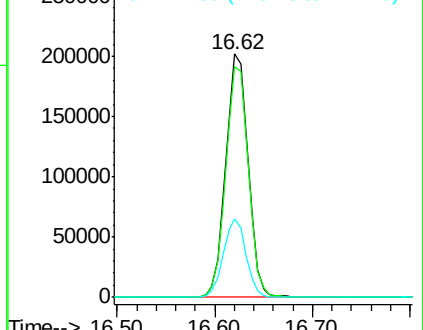
141 32.6 32.1 48.1



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: 91.53 ng

RT: 13.76 min Scan# 1715

Delta R.T. -0.03 min

Lab File: BG027297.D

Acq: 7 Jun 2017 23:53

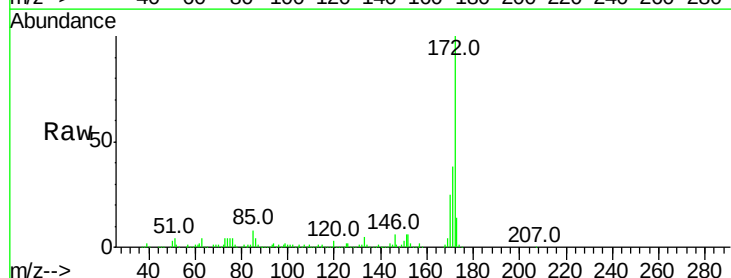
Tgt Ion:172 Resp: 955486

Ion Ratio Lower Upper

172 100

171 38.2 32.2 48.2

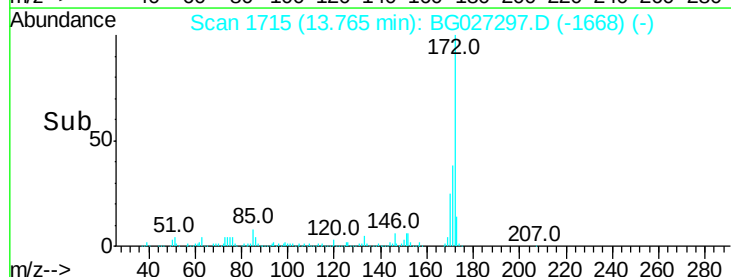
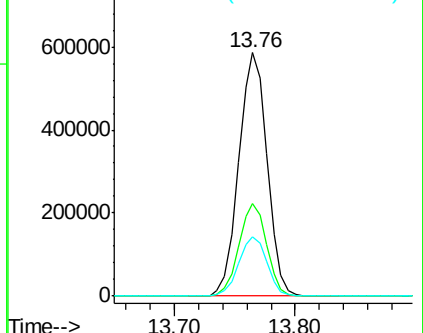
170 24.6 21.8 32.6

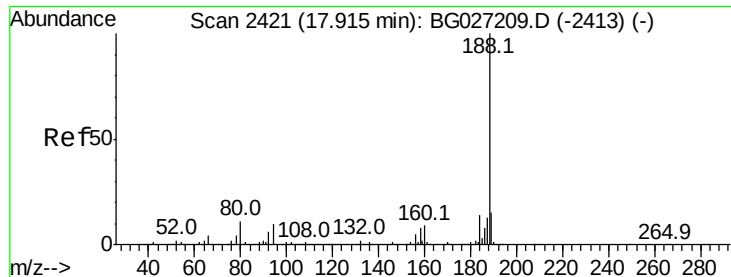


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

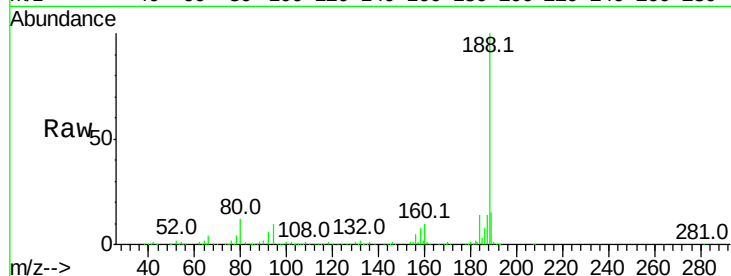




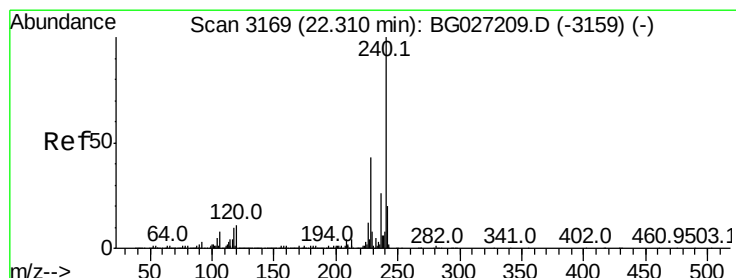
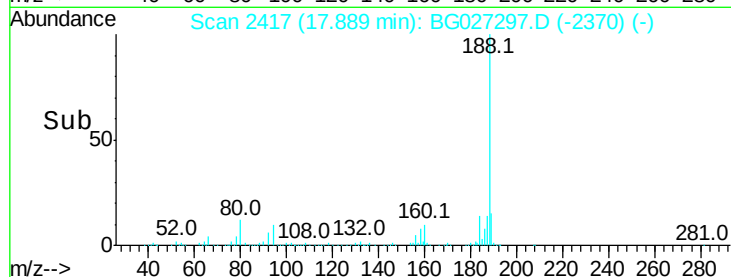
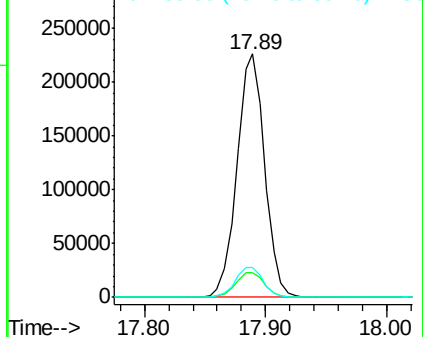
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.89 min Scan# 2417  
Delta R.T. -0.03 min  
Lab File: BG027297.D  
Acq: 7 Jun 2017 23:53

Instrument :  
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Tot Ion:188 Resp: 360163  
Ion Ratio Lower Upper  
188 100  
94 10.4 5.8 8.8#  
80 12.5 7.5 11.3#

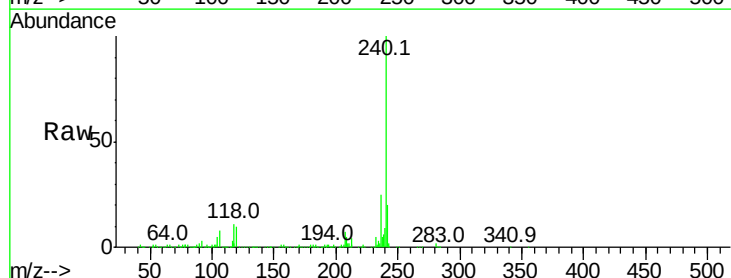


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

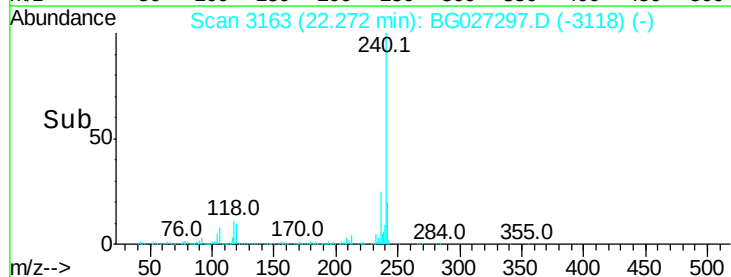
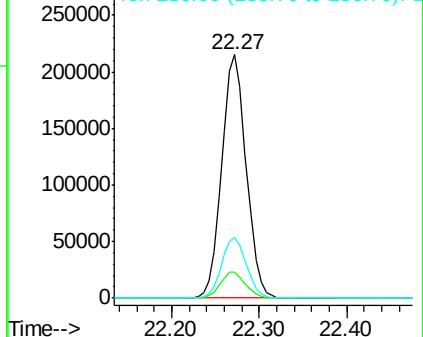


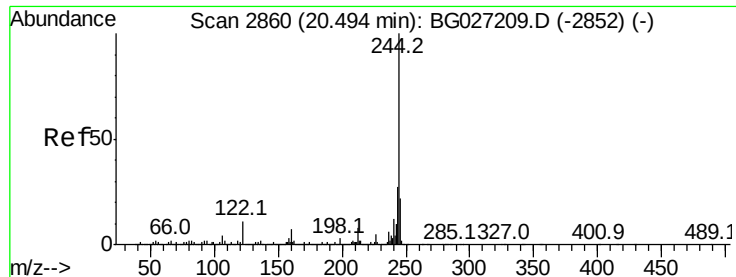
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 22.27 min Scan# 3163  
Delta R.T. -0.04 min  
Lab File: BG027297.D  
Acq: 7 Jun 2017 23:53

Tgt Ion:240 Resp: 409114  
Ion Ratio Lower Upper  
240 100  
120 10.5 5.7 8.5#  
236 25.1 22.2 33.4



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: 105.52 ng

RT: 20.47 min Scan# 2856

Delta R.T. -0.03 min

Lab File: BG027297.D

Acq: 7 Jun 2017 23:53

Instrument :

BNA\_G

ClientSampleId :

HD-RO-20397-060517

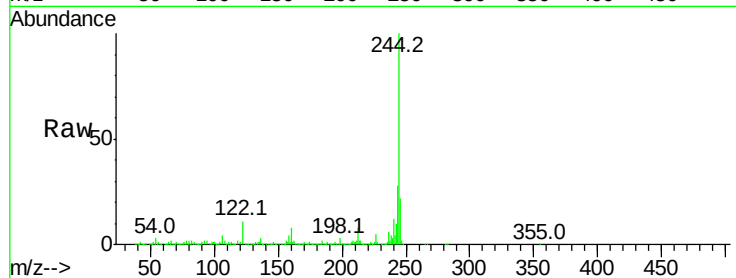
Tot Ion:244 Resp: 1692337

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.1   | 10.0  | 15.0# |
| 122 | 11.4  | 8.6   | 12.8  |

244 100

212 8.1 10.0 15.0#

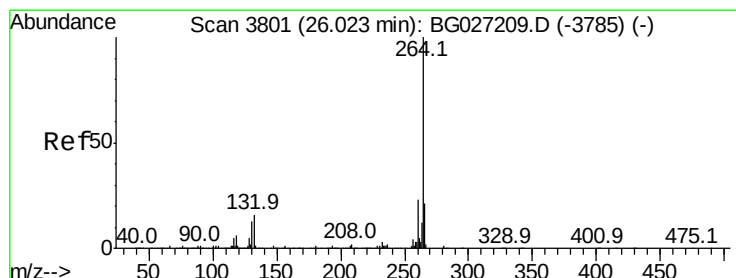
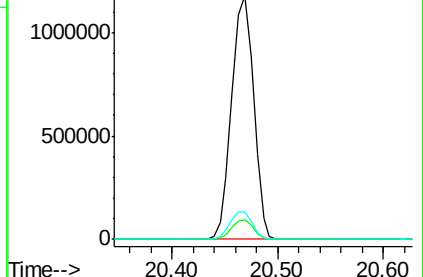
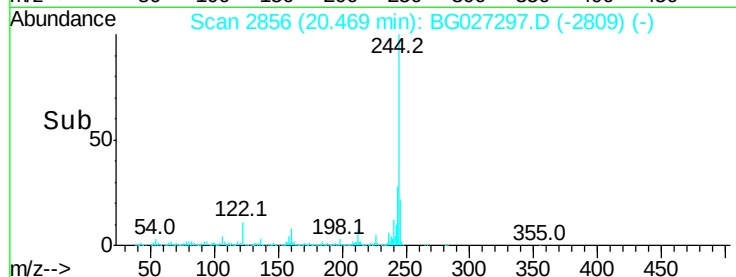
122 11.4 8.6 12.8



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: 20.00 ng

RT: 25.96 min Scan# 3790

Delta R.T. -0.07 min

Lab File: BG027297.D

Acq: 7 Jun 2017 23:53

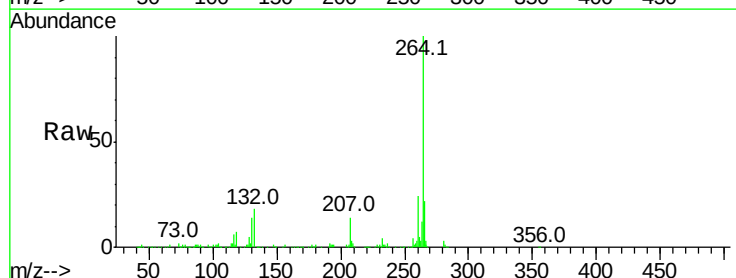
Tgt Ion:264 Resp: 376975

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.9  | 21.8  | 32.8  |
| 265 | 22.1  | 18.2  | 27.4  |

264 100

260 23.9 21.8 32.8

265 22.1 18.2 27.4



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

