

Data Path : Z:\HPCHEM1\BNA G\Data\BG060617\  
 Data File : BG027283.D  
 Acq On : 7 Jun 2017 14:43  
 Operator : SJ/MA  
 Sample : I3482-12  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 07 15:22:07 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   | 8.561  | 152  | 53629    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 11.381 | 136  | 249941   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10        | 15.142 | 164  | 164553   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.891 | 188  | 382835   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 22.280 | 240  | 430942   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12            | 25.970 | 264  | 398828   | 20.00 | ng    | -0.05    |
| System Monitoring Compounds |        |      |          |       |       |          |
| 5) 2-Fluorophenol           | 6.140  | 112  | 55635    | 15.83 | ng    | -0.02    |
| 7) Phenol-d6                | 7.686  | 99   | 76751    | 14.88 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.719  | 82   | 44718    | 11.25 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.622 | 330  | 12856    | 5.93  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.767 | 172  | 125232   | 10.65 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.465 | 244  | 195623   | 11.58 | ng    | -0.03    |

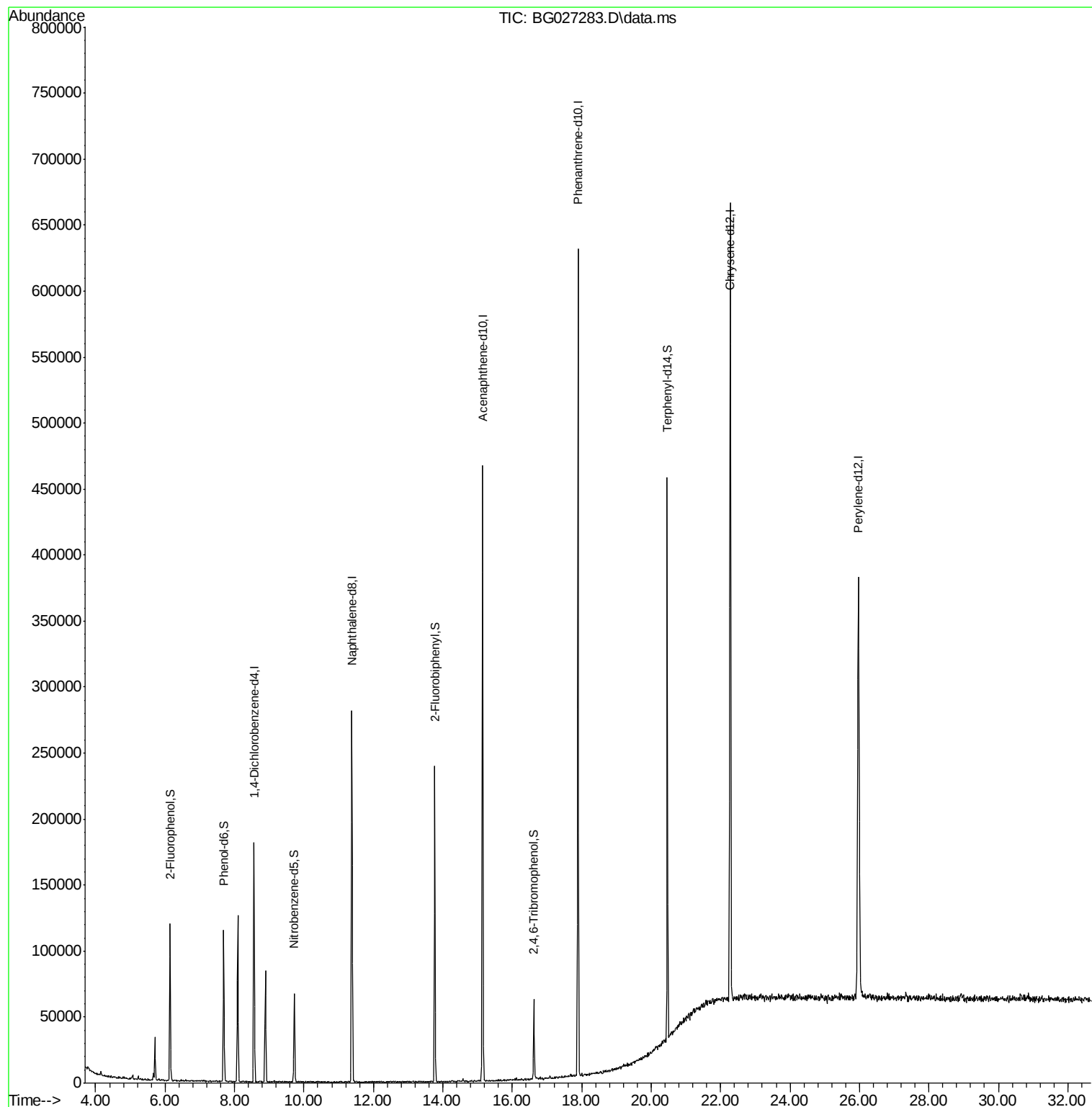
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

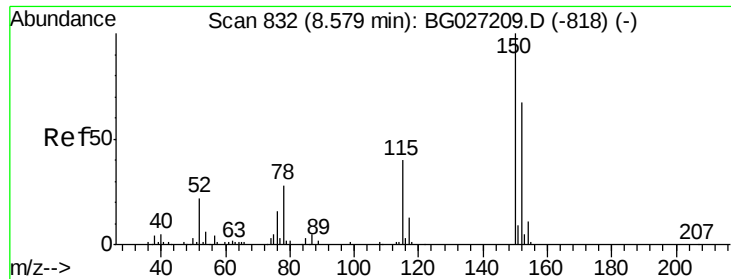
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.561 min Scan# 82

Delta R.T. -0.018 min

Lab File: BG027283.D

Acq: 7 Jun 2017 14:43

Instrument :

BNA\_G

ClientSampleId :

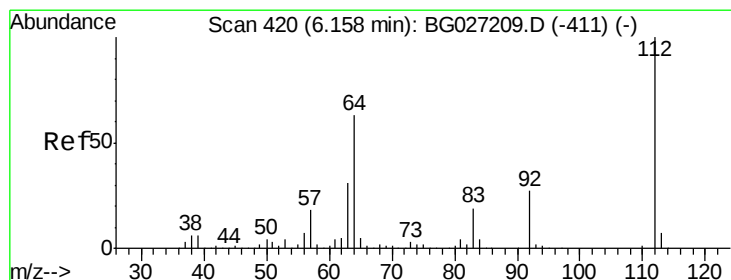
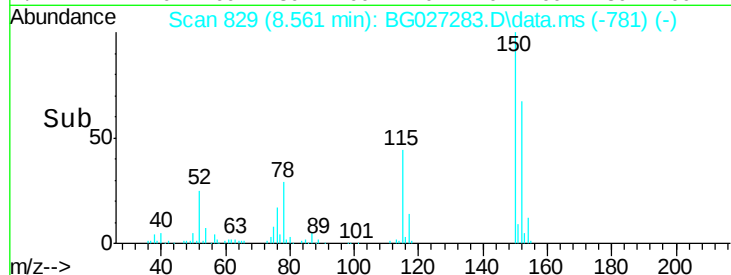
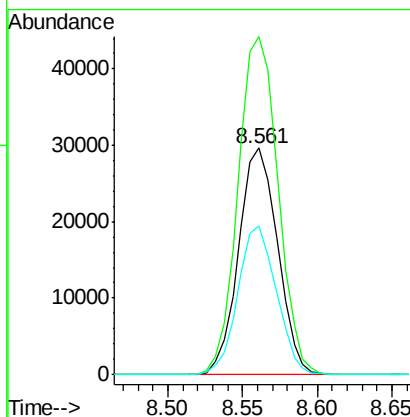
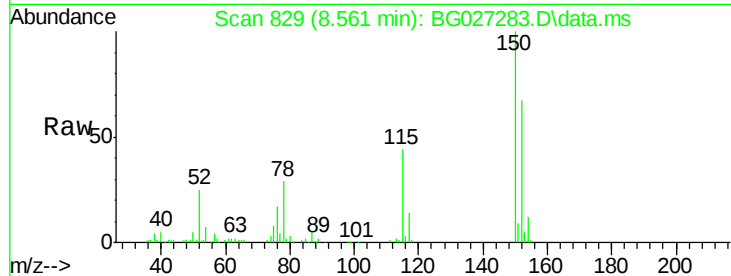
Tot Ion:152 Resp: 53629

Ion Ratio Lower Upper

152 100

150 149.2 114.0 171.0

115 65.5 48.1 72.1



#5

2-Fluorophenol

Concen: 15.83 ng

RT: 6.140 min Scan# 417

Delta R.T. -0.018 min

Lab File: BG027283.D

Acq: 7 Jun 2017 14:43

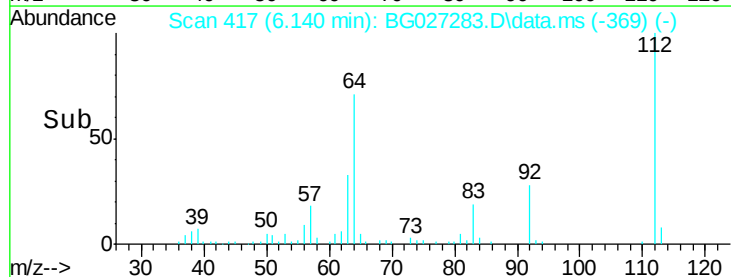
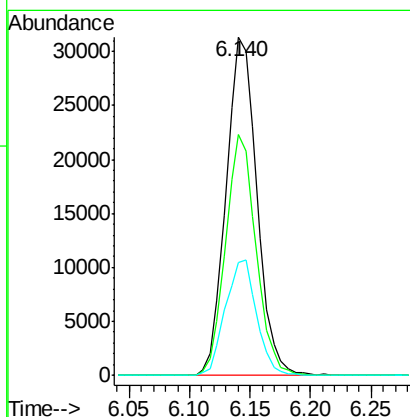
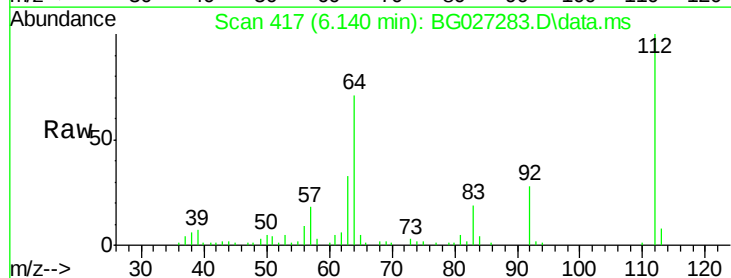
Tgt Ion:112 Resp: 55635

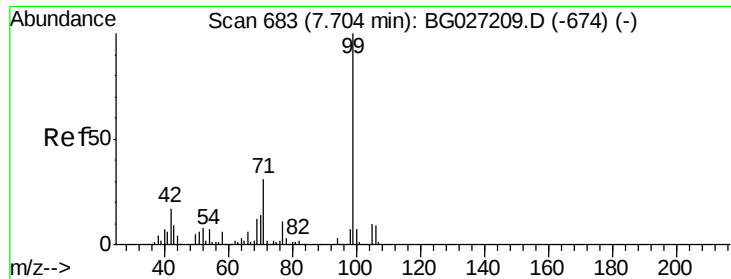
Ion Ratio Lower Upper

112 100

64 71.4 61.8 92.6

63 33.4 37.2 55.8#





#7

Phenol-d6

Concen: 14.88 ng

RT: 7.686 min Scan# 68

Delta R.T. -0.018 min

Lab File: BG027283.D

Acq: 7 Jun 2017 14:43

Instrument :

BNA\_G

ClientSampleId :

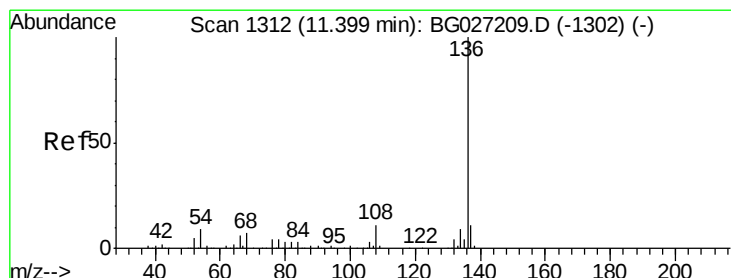
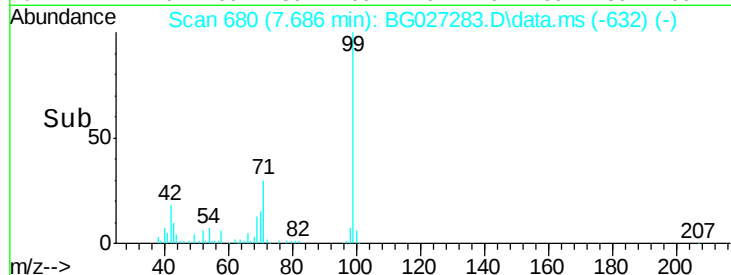
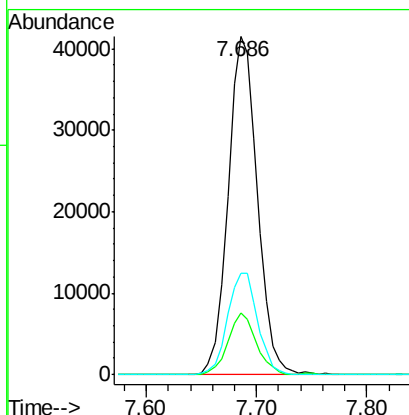
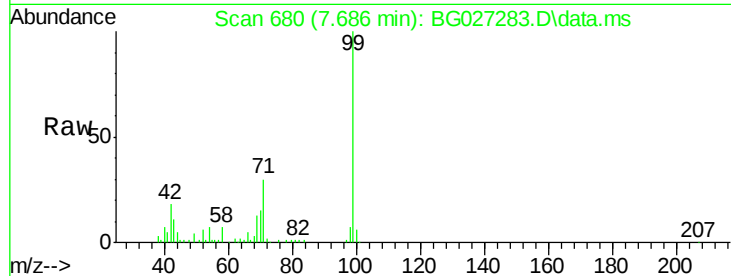
Tot Ion: 99 Resp: 76751

Ion Ratio Lower Upper

99 100

42 18.2 20.5 30.7#

71 30.1 37.6 56.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.381 min Scan# 1309

Delta R.T. -0.018 min

Lab File: BG027283.D

Acq: 7 Jun 2017 14:43

Tgt Ion: 136 Resp: 249941

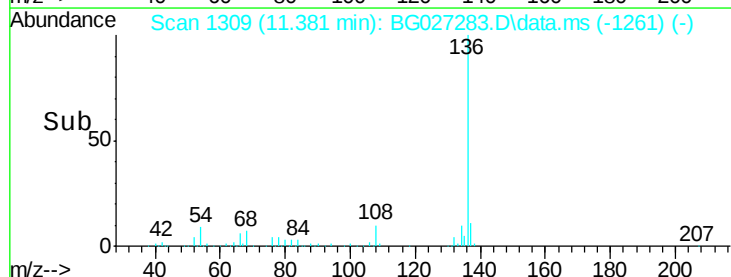
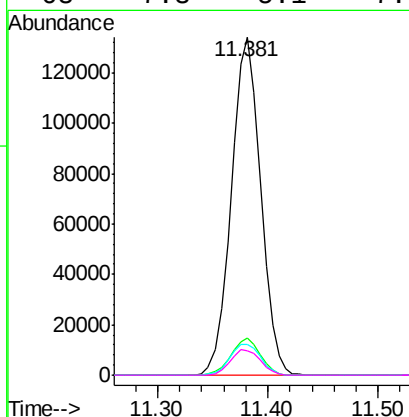
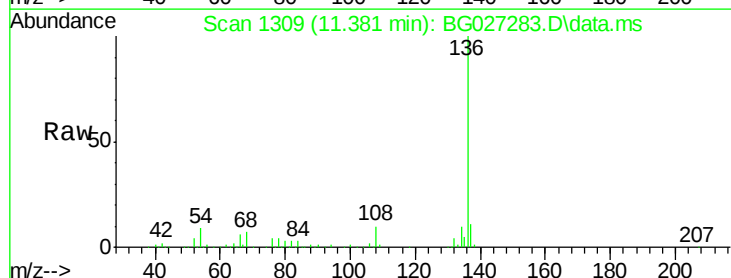
Ion Ratio Lower Upper

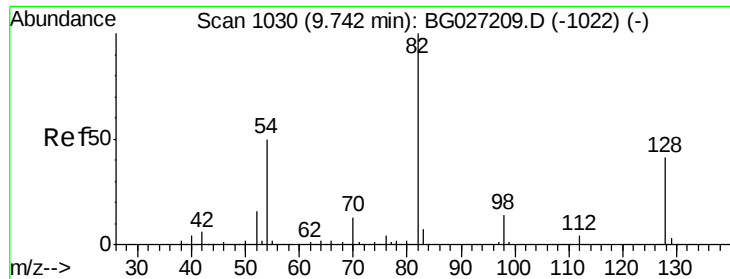
136 100

137 11.1 8.9 13.3

54 9.2 9.3 13.9#

68 7.3 5.1 7.7

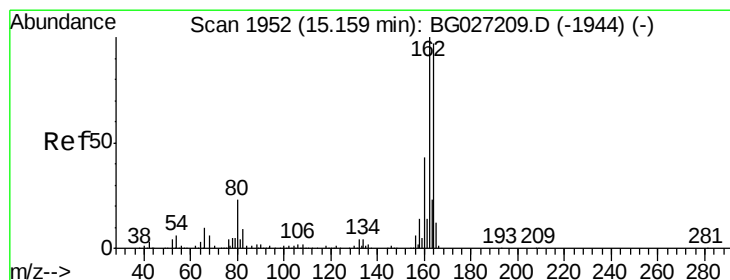
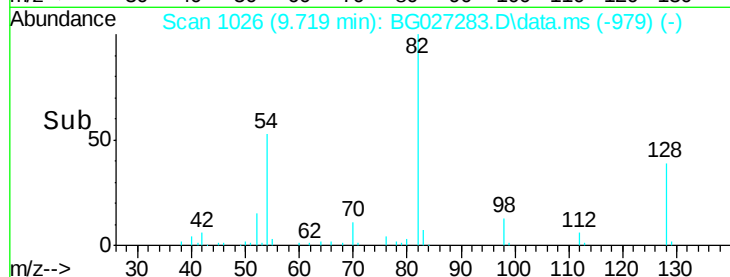
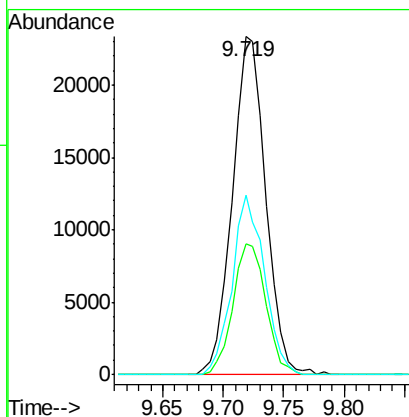
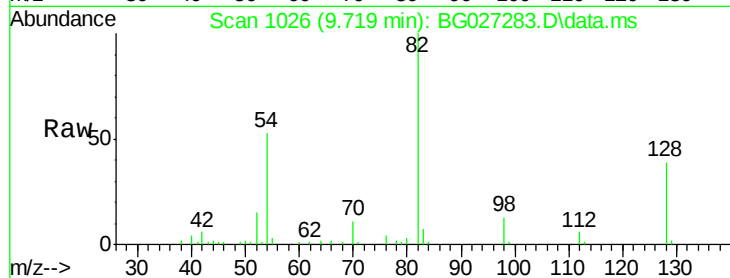




#23  
Nitrobenzene-d5  
Concen: 11.25 ng  
RT: 9.719 min Scan# 10  
Delta R.T. -0.024 min  
Lab File: BG027283.D  
Acq: 7 Jun 2017 14:43

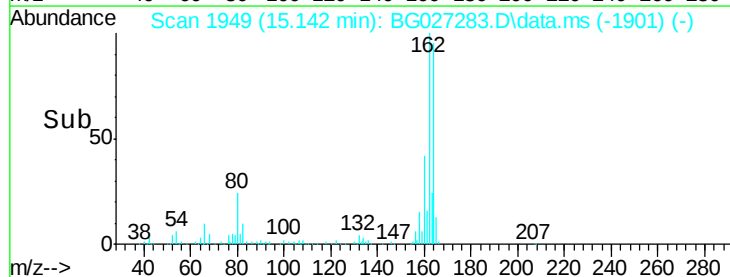
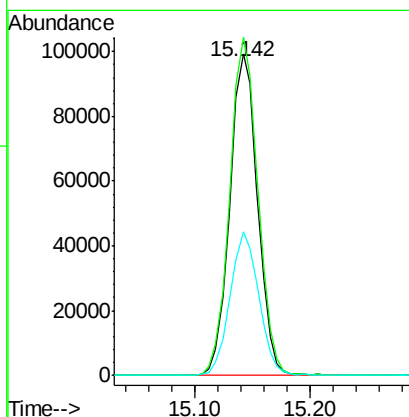
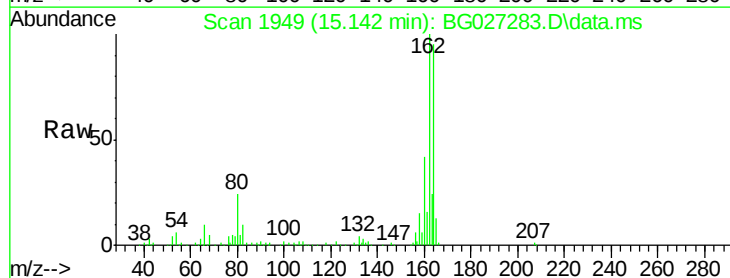
Instrument :  
BNA\_G  
ClientSampleId :

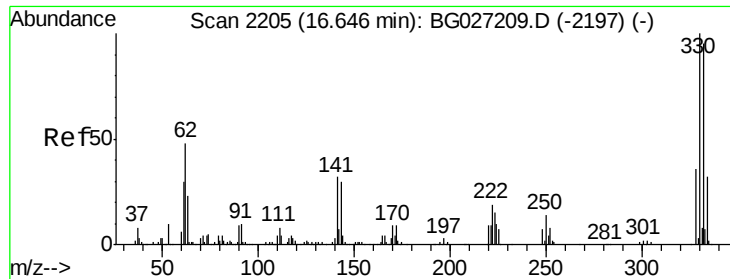
Tot Ion: 82 Resp: 44718  
Ion Ratio Lower Upper  
82 100  
128 38.5 26.4 39.6  
54 53.2 49.4 74.2



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 15.142 min Scan# 1949  
Delta R.T. -0.018 min  
Lab File: BG027283.D  
Acq: 7 Jun 2017 14:43

Tgt Ion: 164 Resp: 164553  
Ion Ratio Lower Upper  
164 100  
162 105.0 85.1 127.7  
160 44.4 34.7 52.1

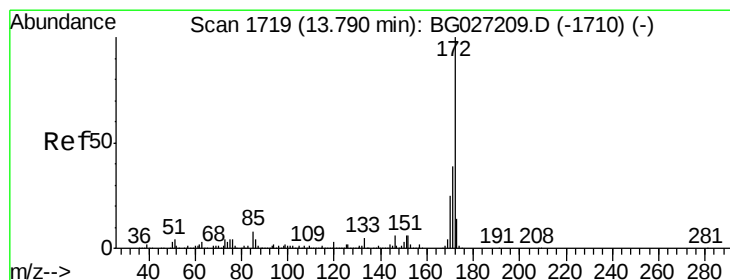
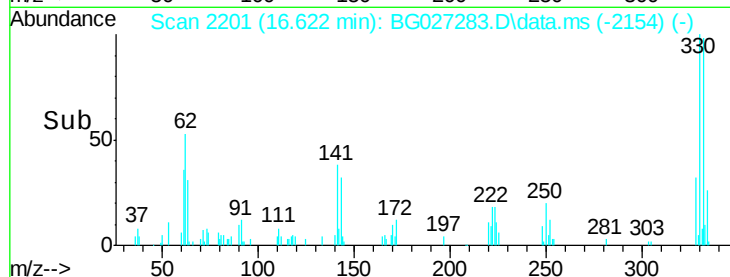
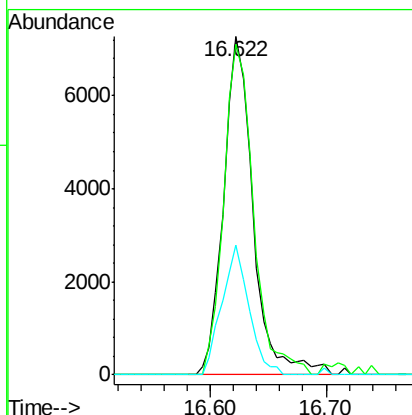
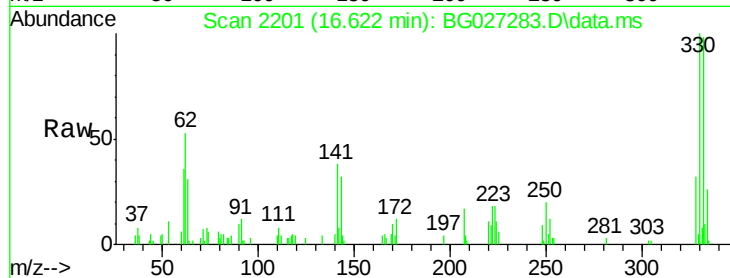




#41  
 2,4,6-Tribromophenol  
 Concen: 5.93 ng  
 RT: 16.622 min Scan# 22  
 Delta R.T. -0.024 min  
 Lab File: BG027283.D  
 Acq: 7 Jun 2017 14:43

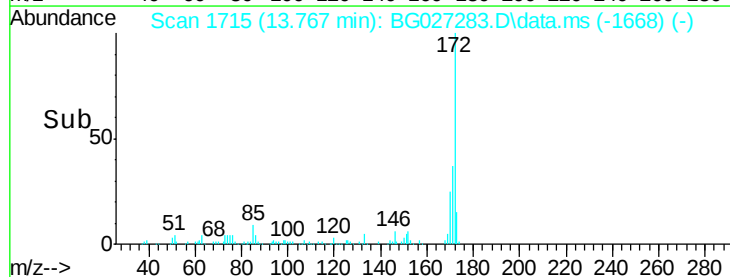
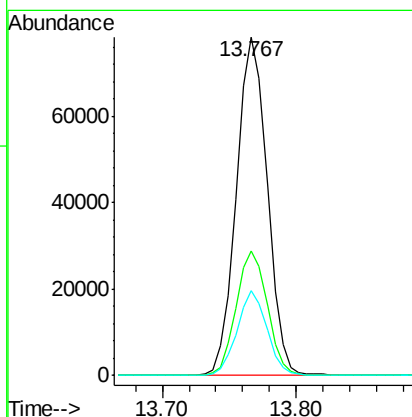
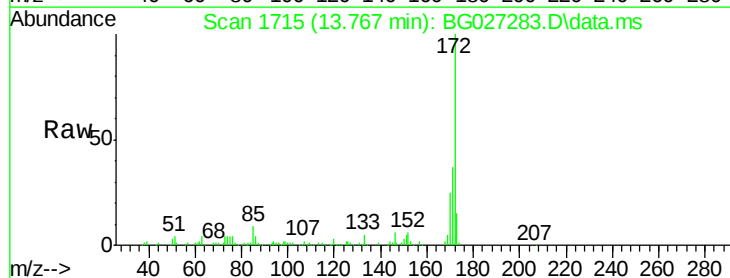
Instrument :  
 BNA\_G  
 ClientSampleId :

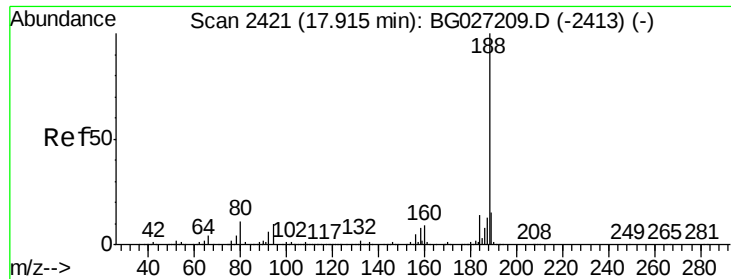
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.6  | 77.3  | 115.9 |
| 141     | 35.0  | 32.1  | 48.1  |



#44  
 2-Fluorobiphenyl  
 Concen: 10.65 ng  
 RT: 13.767 min Scan# 1715  
 Delta R.T. -0.024 min  
 Lab File: BG027283.D  
 Acq: 7 Jun 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 32.2  | 48.2  |
| 170     | 25.1  | 21.8  | 32.6  |

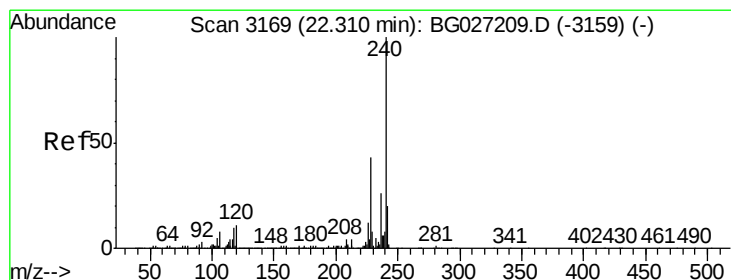
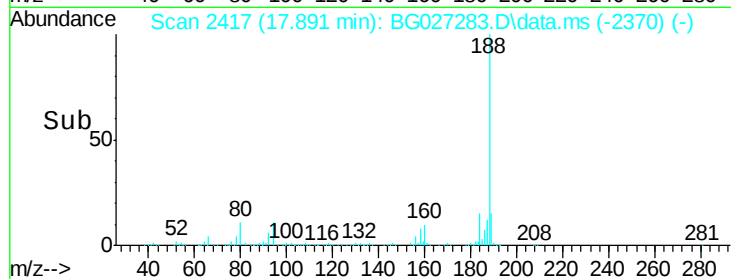
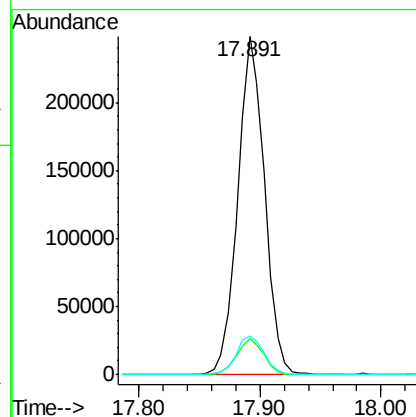
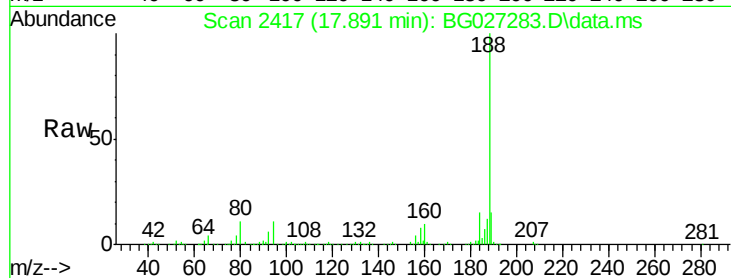




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.891 min Scan# 241  
Delta R.T. -0.024 min  
Lab File: BG027283.D  
Acq: 7 Jun 2017 14:43

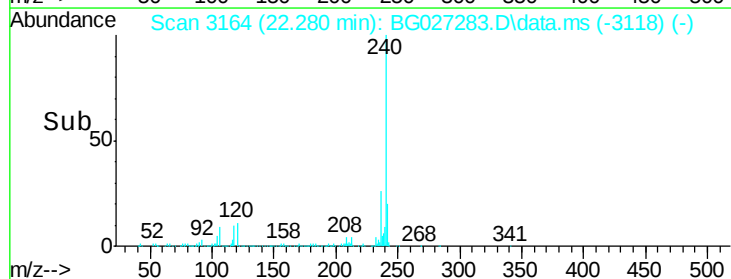
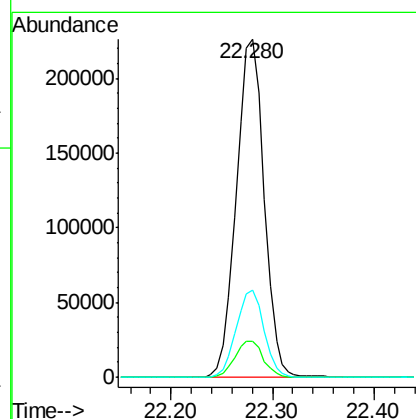
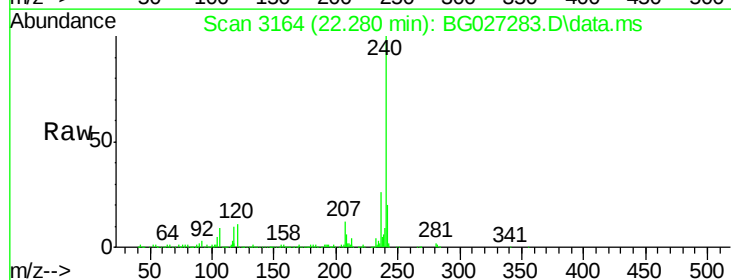
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:188 Resp: 382835  
Ion Ratio Lower Upper  
188 100  
94 10.6 5.8 8.8#  
80 11.5 7.5 11.3#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 22.280 min Scan# 3164  
Delta R.T. -0.030 min  
Lab File: BG027283.D  
Acq: 7 Jun 2017 14:43

Tgt Ion:240 Resp: 430942  
Ion Ratio Lower Upper  
240 100  
120 10.8 5.7 8.5#  
236 25.9 22.2 33.4





#78

Terphenyl-d14

Concen: 11.58 ng

RT: 20.465 min Scan# 28

Delta R.T. -0.030 min

Lab File: BG027283.D

Acq: 7 Jun 2017 14:43

Instrument :

BNA\_G

ClientSampleId :

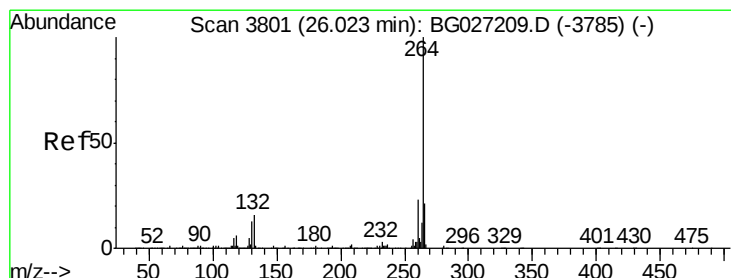
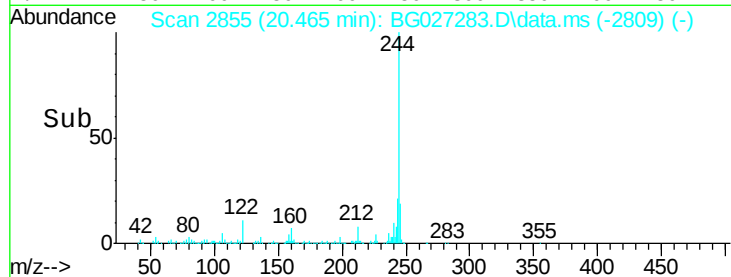
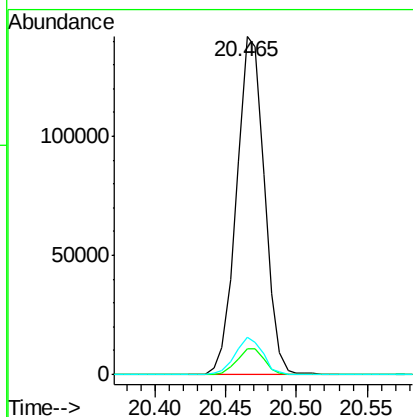
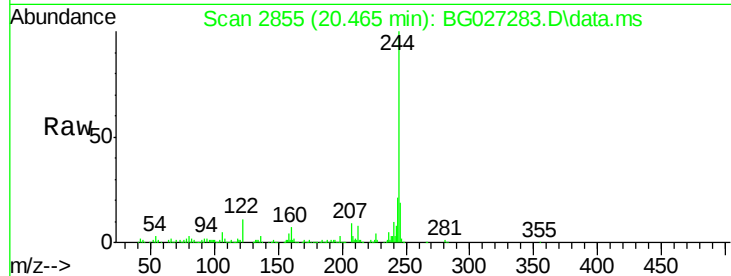
Tot Ion:244 Resp: 195623

Ion Ratio Lower Upper

244 100

212 7.8 10.0 15.0#

122 11.0 8.6 12.8



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.970 min Scan# 3792

Delta R.T. -0.053 min

Lab File: BG027283.D

Acq: 7 Jun 2017 14:43

Tgt Ion:264 Resp: 398828

Ion Ratio Lower Upper

264 100

260 23.7 21.8 32.8

265 22.1 18.2 27.4

