

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112917\  
 Data File : BG031287.D  
 Acq On : 30 Nov 2017 1:22  
 Operator : SJ/JU  
 Sample : I6612-03  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 30 03:11:41 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 10 15:38:25 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.13  | 152  | 71752    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.94 | 136  | 284498   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.75 | 164  | 182372   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.49 | 188  | 480782   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.77 | 240  | 550659   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 25.07 | 264  | 443238   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.69  | 112  | 586986   | 140.28 | ng    | -0.02    |
| 7) Phenol-d6                | 7.29  | 99   | 679918   | 120.61 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.30  | 82   | 467207   | 97.31  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.24 | 330  | 372071   | 126.12 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.38 | 172  | 1306781  | 102.96 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.09 | 244  | 2351038  | 94.27  | ng    | -0.01    |

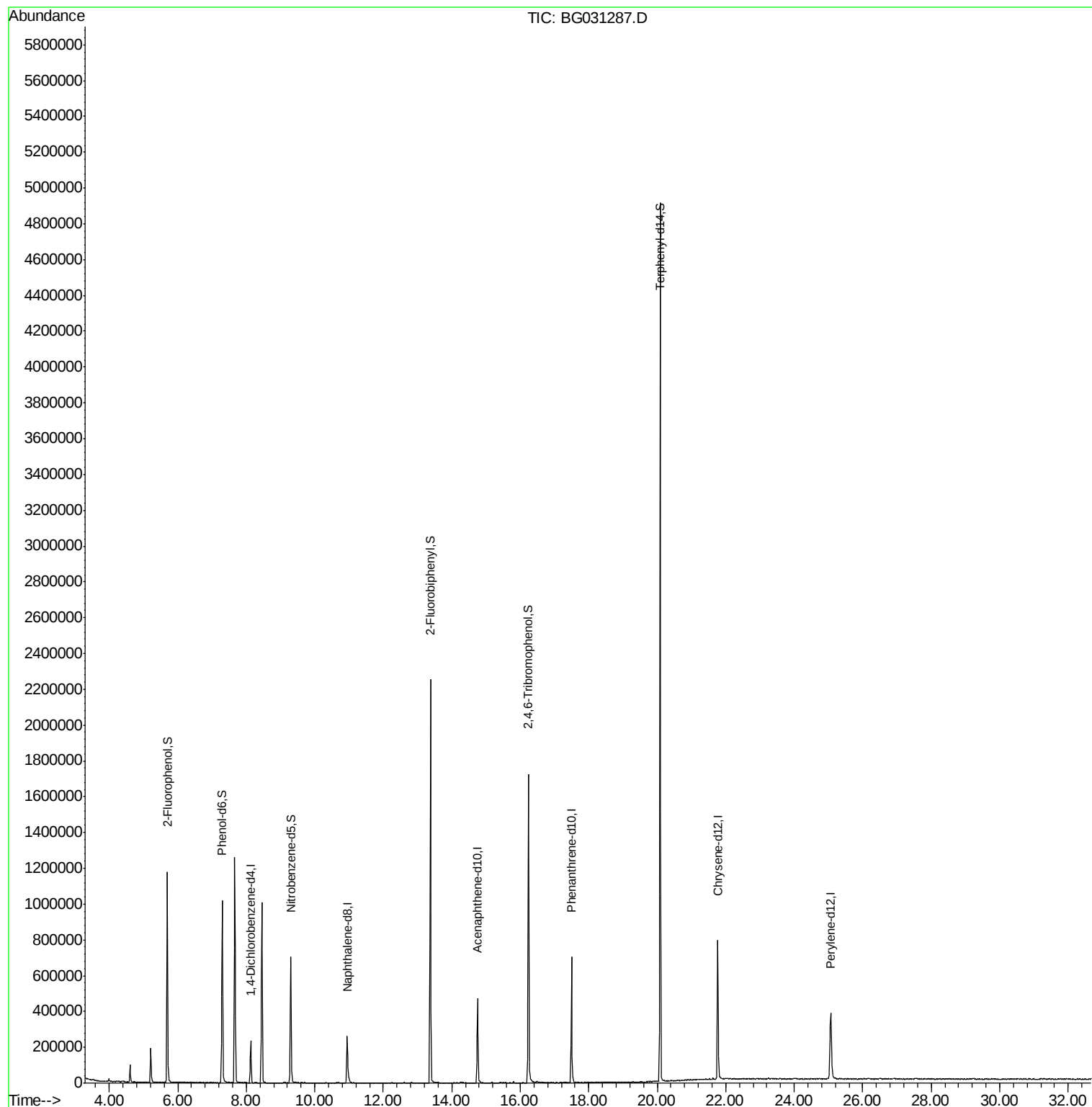
Target Compounds Qvalue

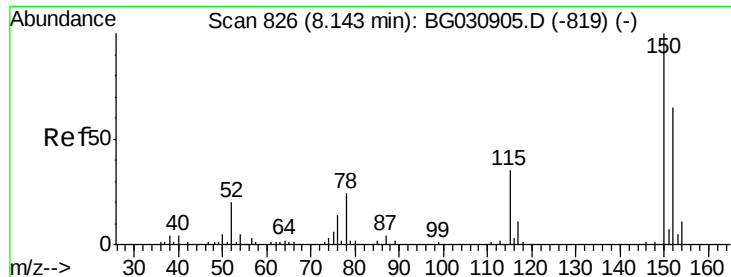
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 10 15:38:25 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.13 min Scan# 824

Delta R.T. -0.02 min

Lab File: BG031287.D

Acq: 30 Nov 2017 1:22

Instrument :

BNA\_G

ClientSampleId :

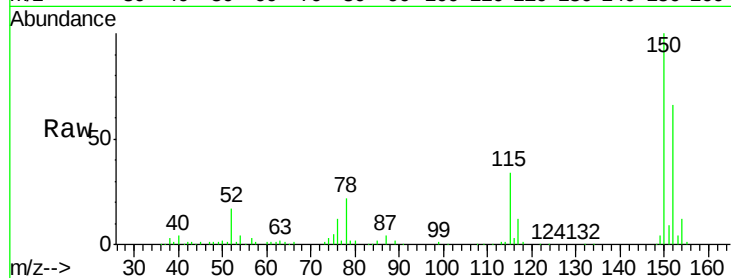
Tot Ion:152 Resp: 71752

Ion Ratio Lower Upper

152 100

150 150.9 126.6 189.8

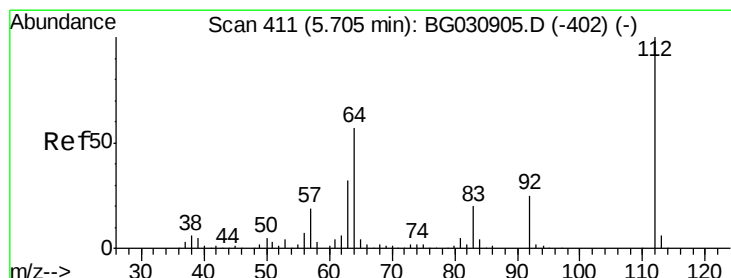
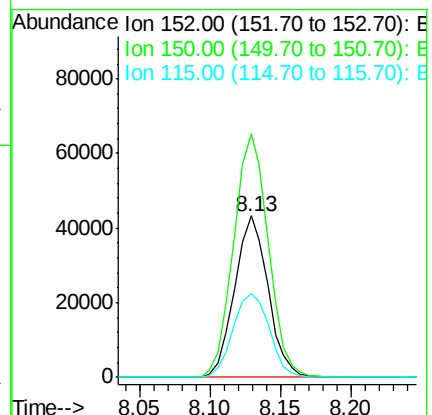
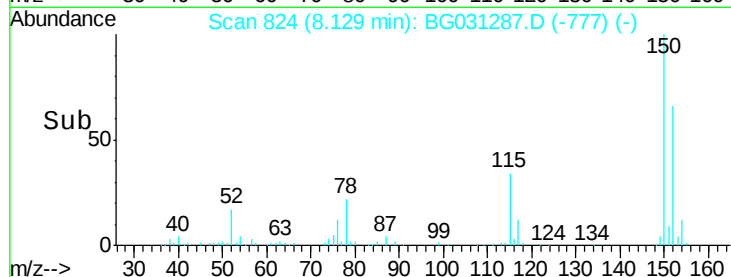
115 52.0 53.0 79.4#



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: 140.28 ng

RT: 5.69 min Scan# 409

Delta R.T. -0.02 min

Lab File: BG031287.D

Acq: 30 Nov 2017 1:22

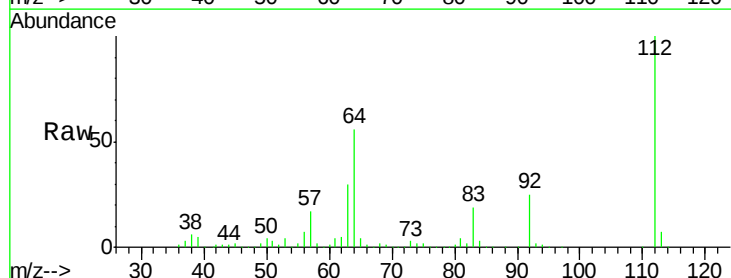
Tgt Ion:112 Resp: 586986

Ion Ratio Lower Upper

112 100

64 56.4 56.3 84.5

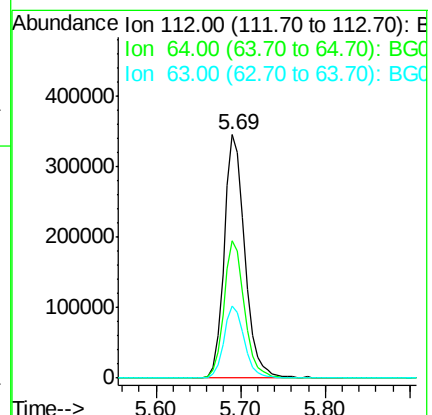
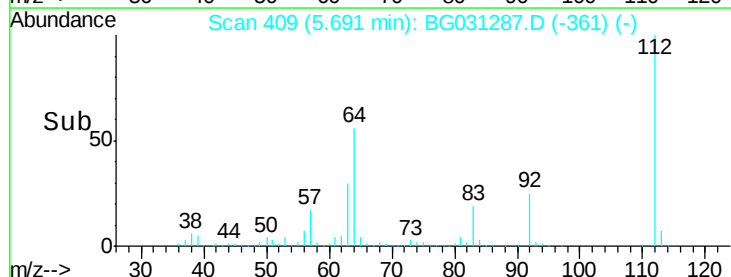
63 29.8 30.1 45.1#

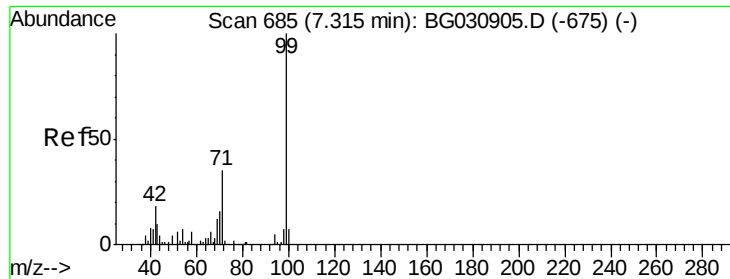


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 120.61 ng

RT: 7.29 min Scan# 682

Delta R.T. -0.01 min

Lab File: BG031287.D

Acq: 30 Nov 2017 1:22

Instrument :

BNA\_G

ClientSampled :

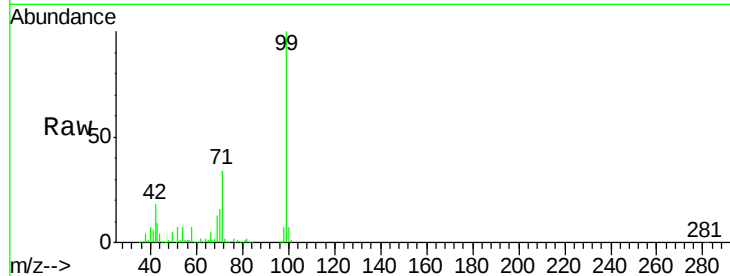
Tot Ion: 99 Resp: 679918

Ion Ratio Lower Upper

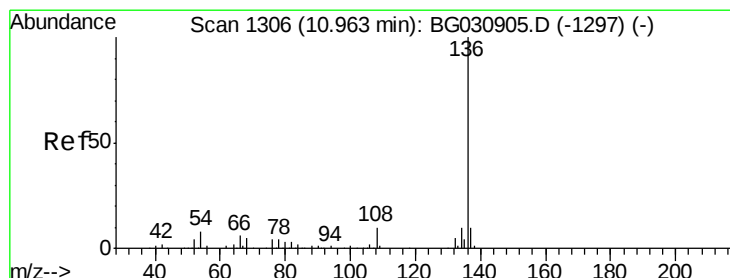
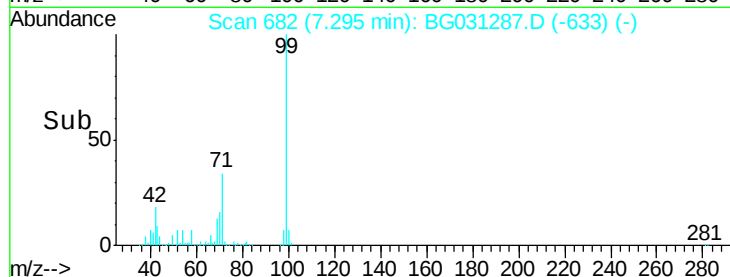
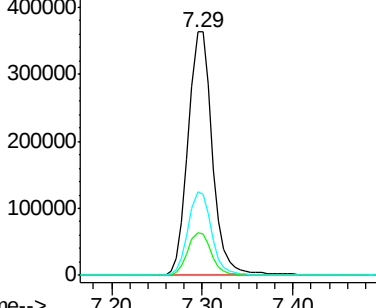
99 100

42 17.8 14.1 21.1

71 34.1 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: 20.00 ng

RT: 10.94 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BG031287.D

Acq: 30 Nov 2017 1:22

Tgt Ion: 136 Resp: 284498

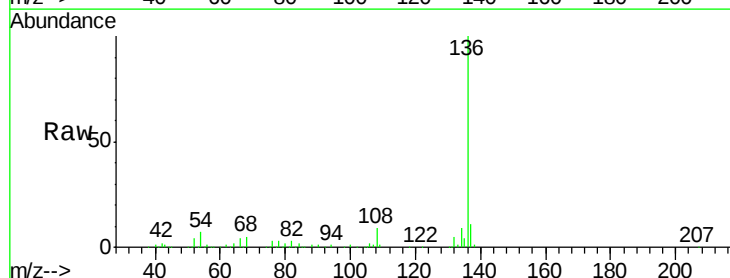
Ion Ratio Lower Upper

136 100

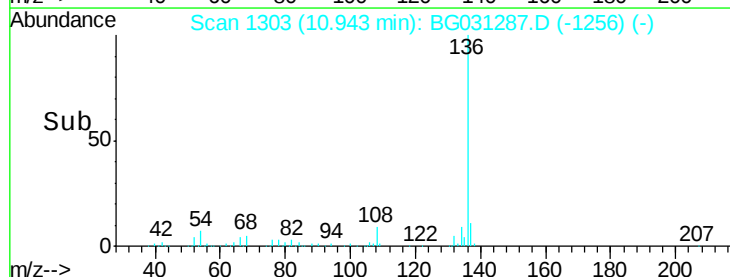
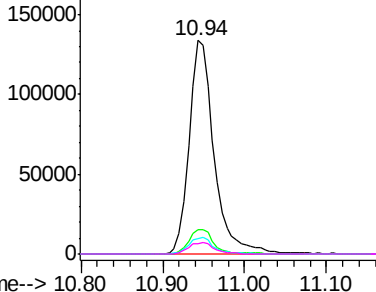
137 11.4 9.2 13.8

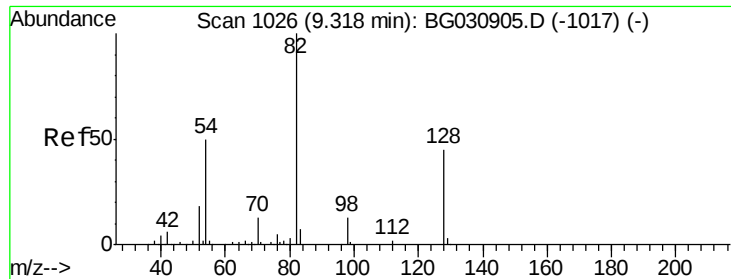
54 7.2 10.3 15.5#

68 4.9 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

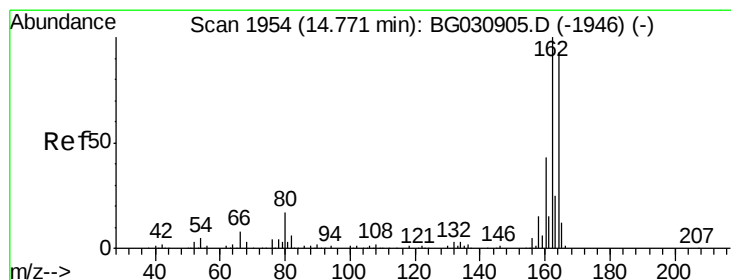
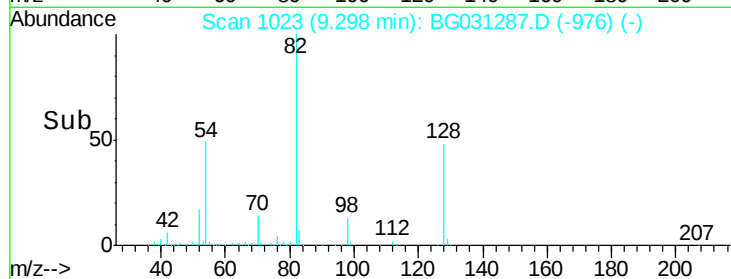
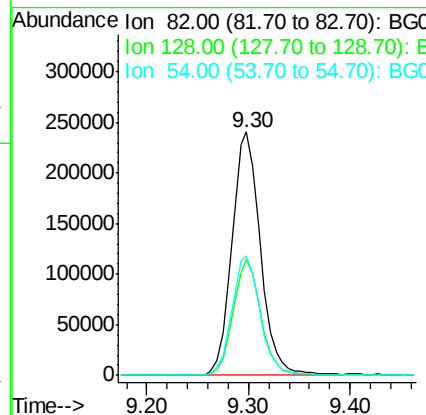
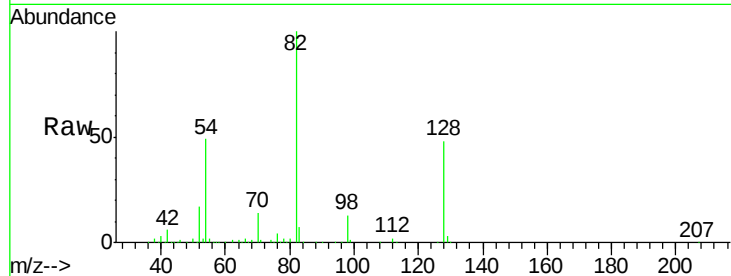




#23  
Nitrobenzene-d5  
Concen: 97.31 ng  
RT: 9.30 min Scan# 1023  
Delta R.T. -0.02 min  
Lab File: BG031287.D  
Acq: 30 Nov 2017 1:22

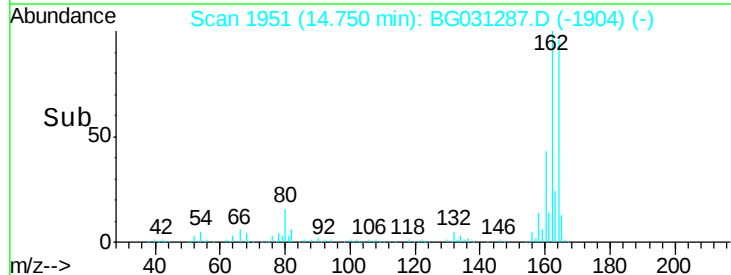
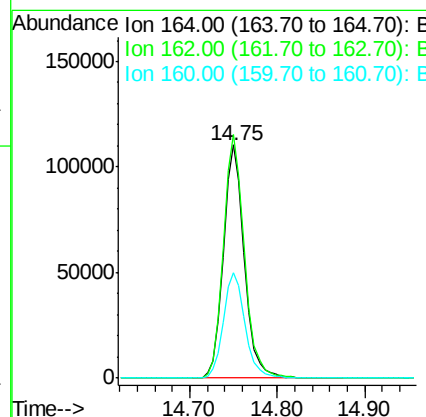
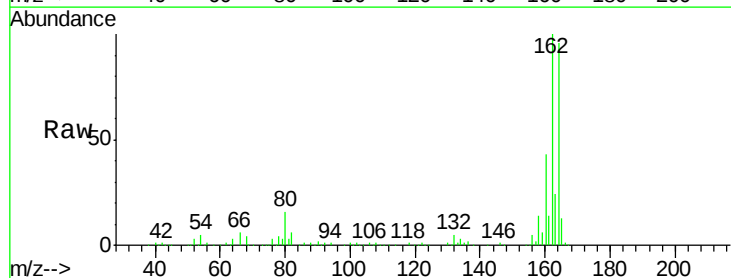
Instrument :  
BNA\_G  
ClientSampleId :

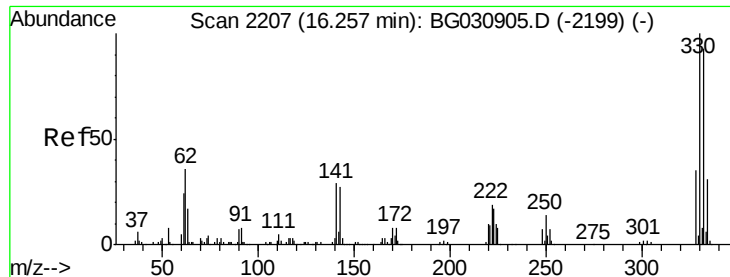
| Tot Ion   | 82    | Resp  | 467207 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 47.6  | 29.7  | 44.5#  |
| 54        | 48.9  | 43.1  | 64.7   |



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.75 min Scan# 1951  
Delta R.T. -0.02 min  
Lab File: BG031287.D  
Acq: 30 Nov 2017 1:22

| Tgt Ion   | 164   | Resp  | 182372 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 104.4 | 78.8  | 118.2  |
| 160       | 45.3  | 35.4  | 53.0   |

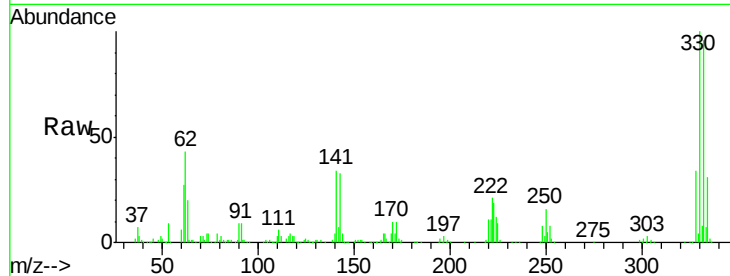




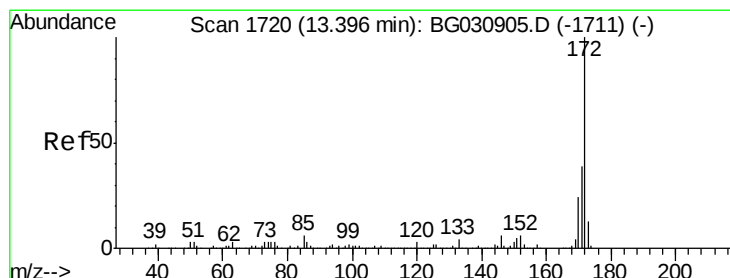
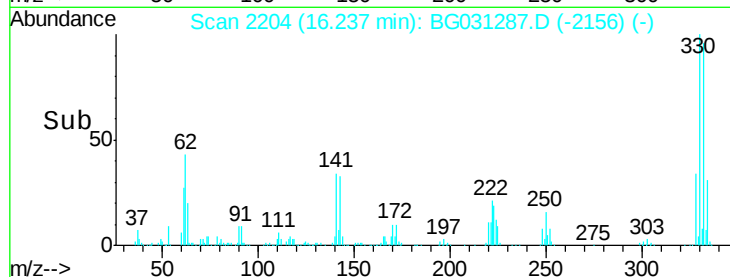
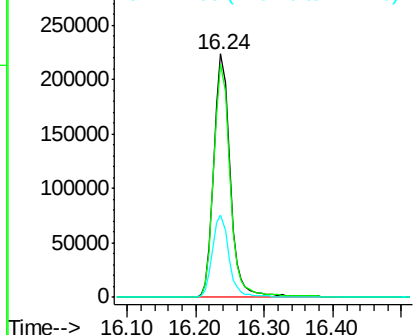
#41  
 2,4,6-Tribromophenol  
 Concen: 126.12 ng  
 RT: 16.24 min Scan# 2204  
 Delta R.T. -0.02 min  
 Lab File: BG031287.D  
 Acq: 30 Nov 2017 1:22

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.3  | 77.0  | 115.6 |
| 141     | 34.1  | 25.2  | 37.8  |

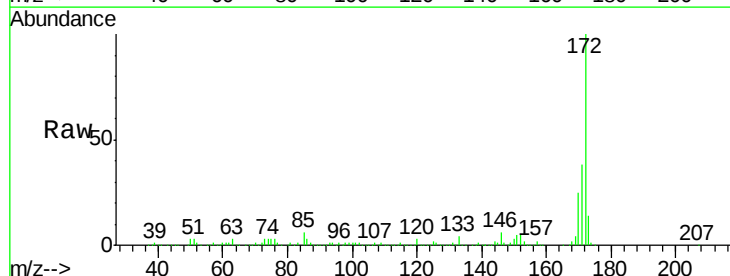


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

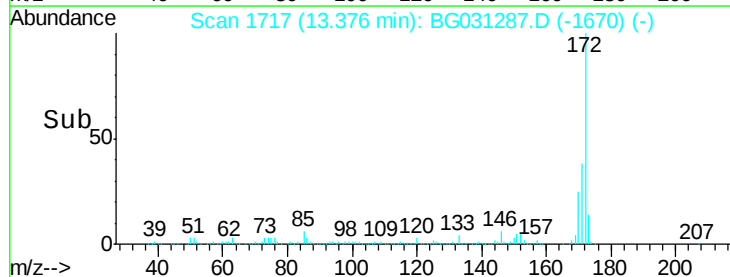
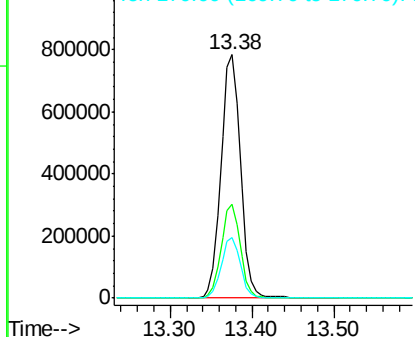


#44  
 2-Fluorobiphenyl  
 Concen: 102.96 ng  
 RT: 13.38 min Scan# 1717  
 Delta R.T. -0.02 min  
 Lab File: BG031287.D  
 Acq: 30 Nov 2017 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.4  | 30.0  | 45.0  |
| 170     | 24.9  | 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

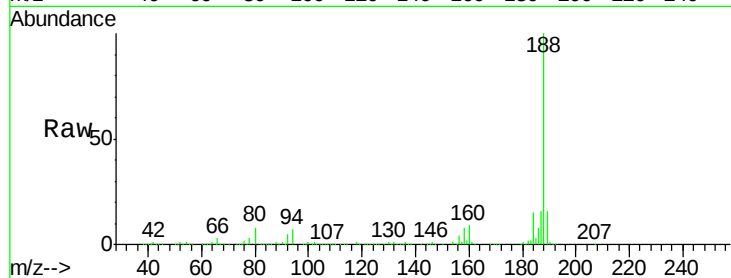




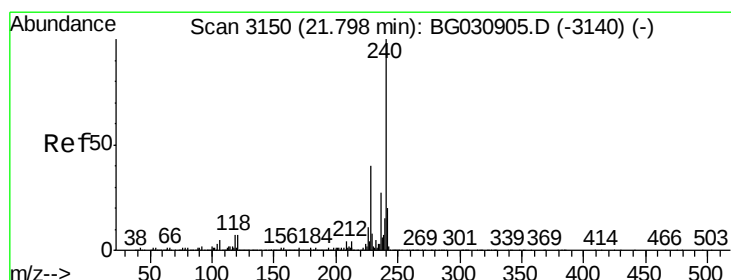
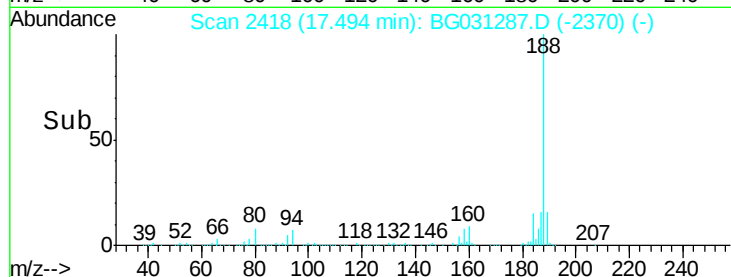
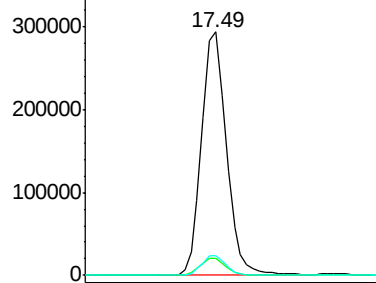
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.49 min Scan# 2418  
Delta R.T. -0.02 min  
Lab File: BG031287.D  
Acq: 30 Nov 2017 1:22

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:188 Resp: 480782  
Ion Ratio Lower Upper  
188 100  
94 7.0 6.9 10.3  
80 8.0 7.7 11.5

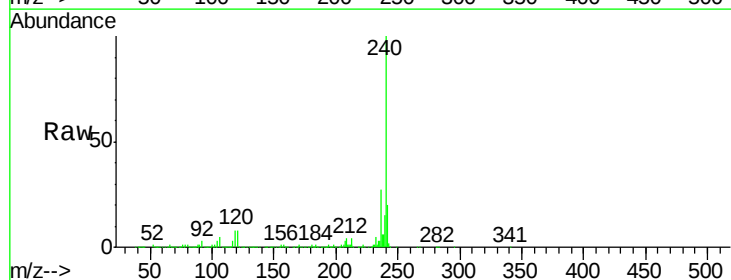


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

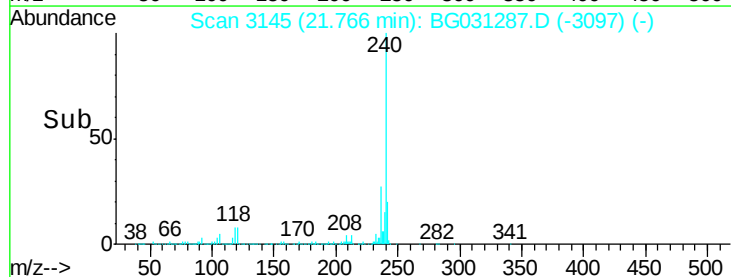
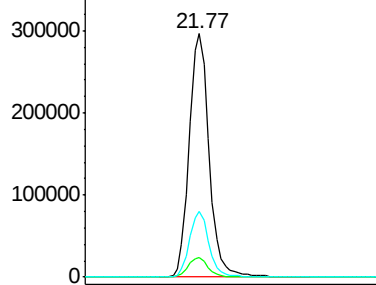


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.77 min Scan# 3145  
Delta R.T. -0.02 min  
Lab File: BG031287.D  
Acq: 30 Nov 2017 1:22

Tgt Ion:240 Resp: 550659  
Ion Ratio Lower Upper  
240 100  
120 8.0 6.8 10.2  
236 26.9 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: 94.27 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG031287.D

Acq: 30 Nov 2017 1:22

Instrument :

BNA\_G

ClientSampleId :

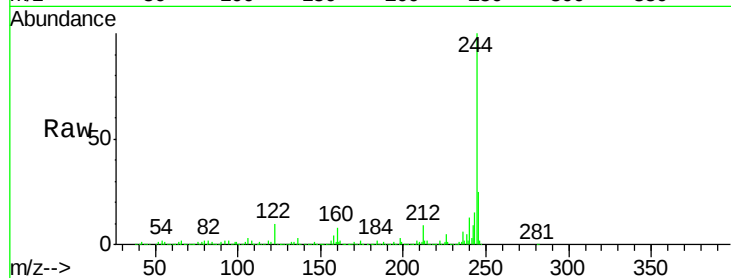
Tot Ion:244 Resp: 2351038

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

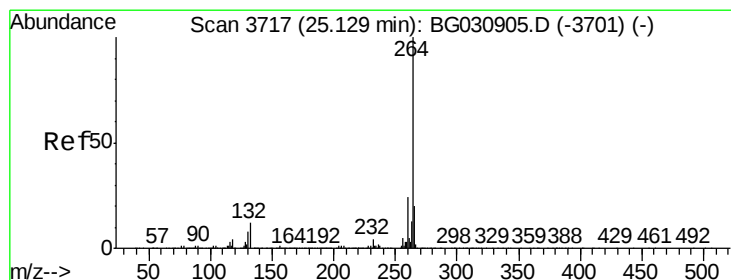
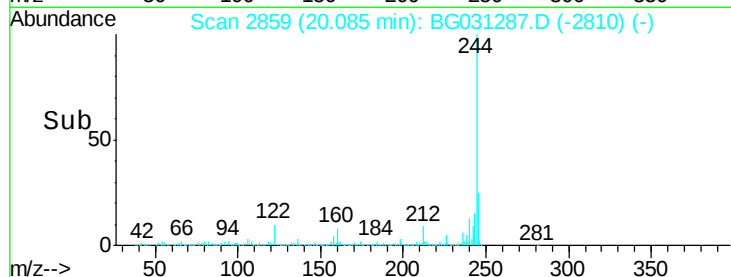
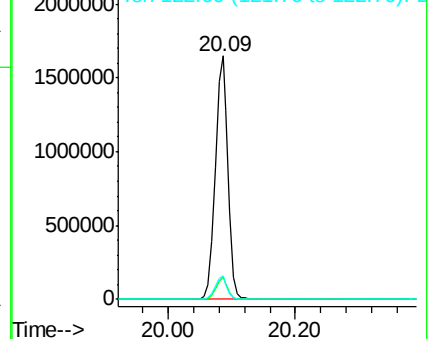
122 9.5 7.0 10.4



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: 20.00 ng

RT: 25.07 min Scan# 3707

Delta R.T. -0.02 min

Lab File: BG031287.D

Acq: 30 Nov 2017 1:22

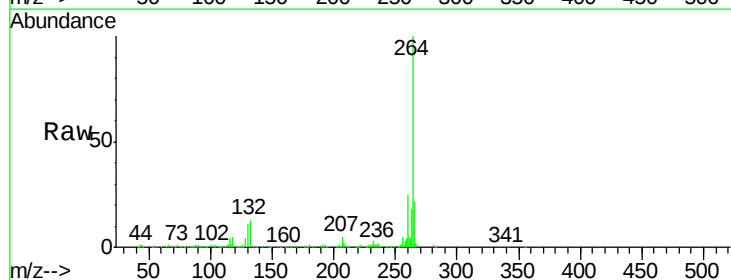
Tgt Ion:264 Resp: 443238

Ion Ratio Lower Upper

264 100

260 24.7 17.4 26.0

265 22.3 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

