

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052615\  
 Data File : BG017291.D  
 Acq On : 26 May 2015 23:18  
 Operator : TP/IZ  
 Sample : G2255-15DL2 25X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SS043MW014-150512DL2

Quant Time: May 27 03:25:44 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 27 03:15:10 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.66  | 152  | 20842    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.46 | 136  | 84791    | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.32 | 164  | 57227    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.07 | 188  | 142114   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 21.25 | 240  | 174617   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 23.49 | 264  | 173921   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.26  | 112  | 56       | 0.05  | ng    | 0.00     |
| 7) Phenol-d6                | 6.78  | 99   | 54       | 0.03  | ng    | -0.10    |
| 23) Nitrobenzene-d5         | 8.83  | 82   | 133      | 0.07  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 0.00  | 330  | 0        | 0.00  | ng    |          |
| 44) 2-Fluorobiphenyl        | 12.94 | 172  | 889      | 0.23  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.70 | 244  | 2617     | 0.31  | ng    | 0.00     |

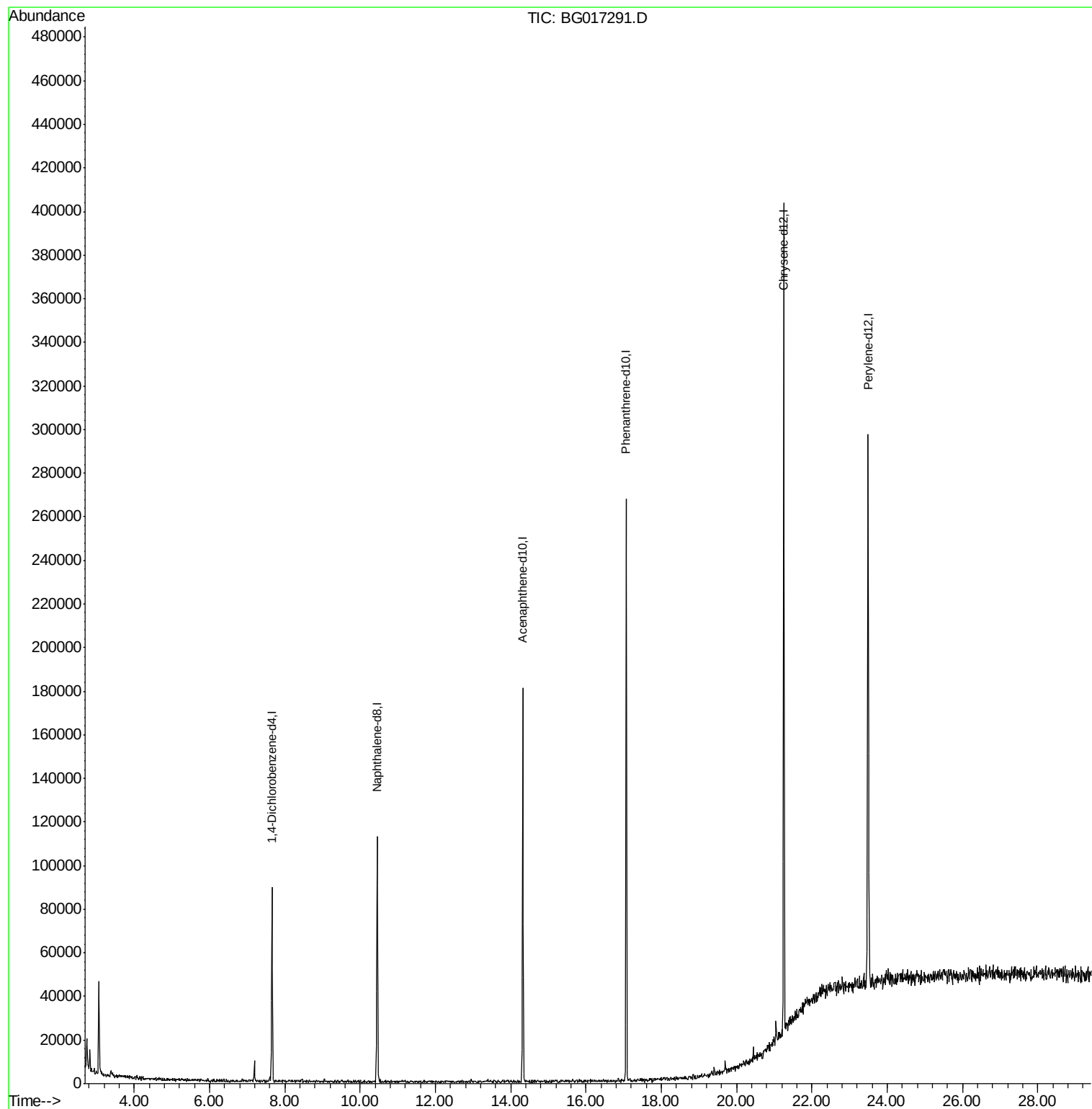
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

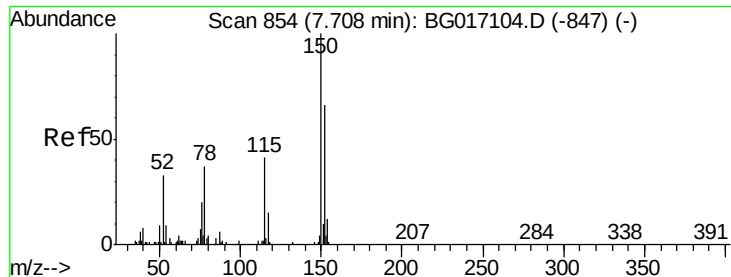
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.66 min Scan# 846

Delta R.T. -0.00 min

Lab File: BG017291.D

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Instrument :

BNA\_G

ClientSampleId :

SS043MW014-150512DL2

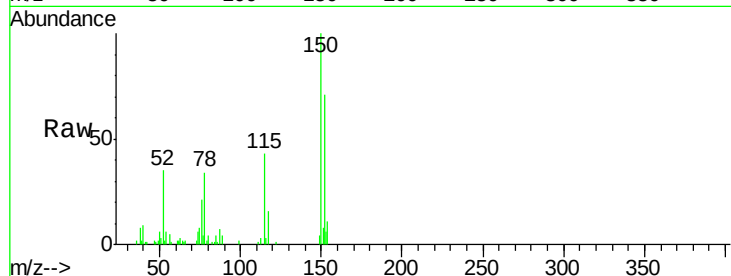
Tgt Ion:152 Resp: 20842

Ion Ratio Lower Upper

152 100

150 141.3 120.8 181.2

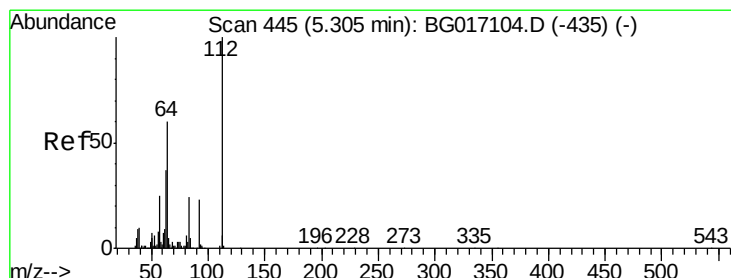
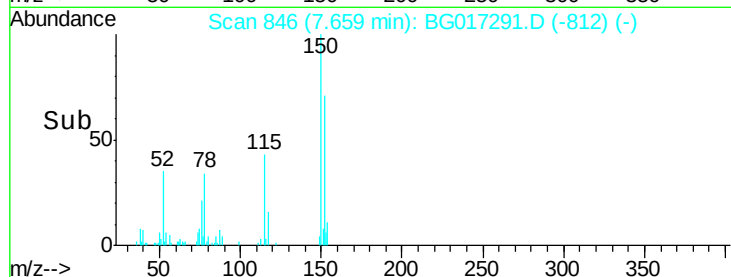
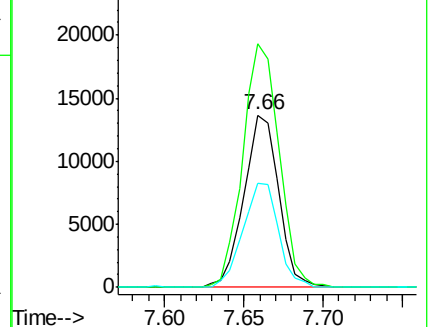
115 60.4 49.4 74.2



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: 0.05 ng

RT: 5.26 min Scan# 437

Delta R.T. -0.00 min

Lab File: BG017291.D

Acq: 26 May 2015 23:18

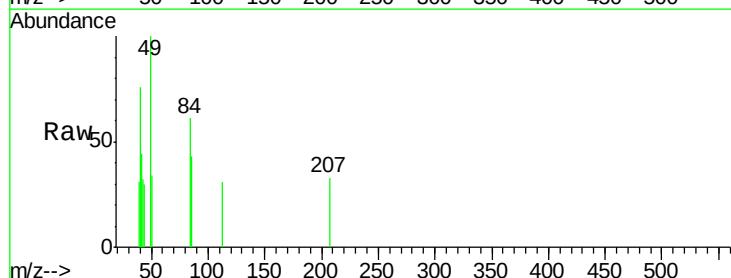
Tgt Ion:112 Resp: 56

Ion Ratio Lower Upper

112 100

64 0.0 48.1 72.1#

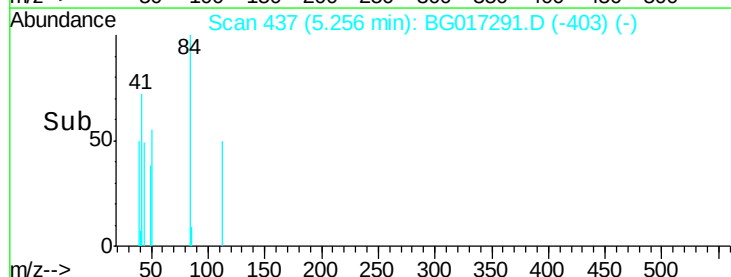
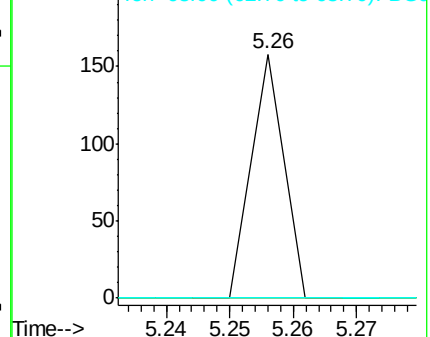
63 0.0 29.8 44.8#

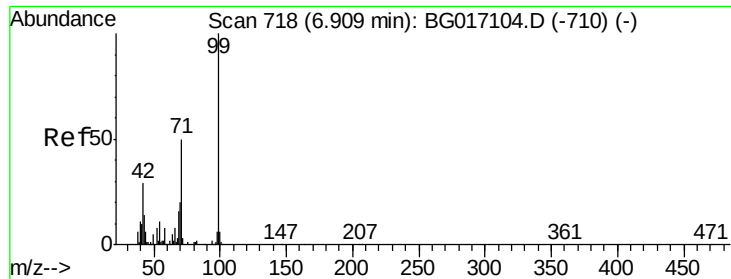


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 0.03 ng

RT: 6.78 min Scan# 696

Delta R.T. -0.10 min

Lab File: BG017291.D

Acq: 26 May 2015 23:18

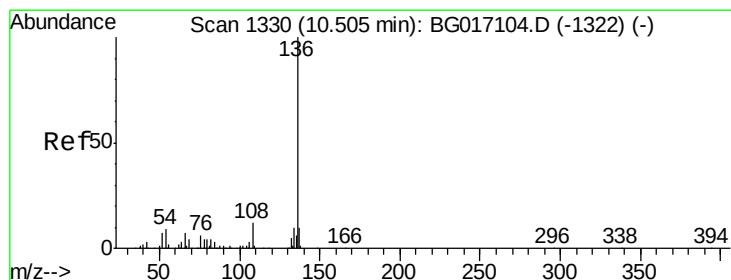
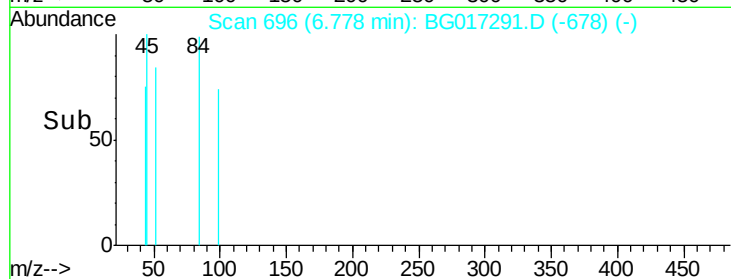
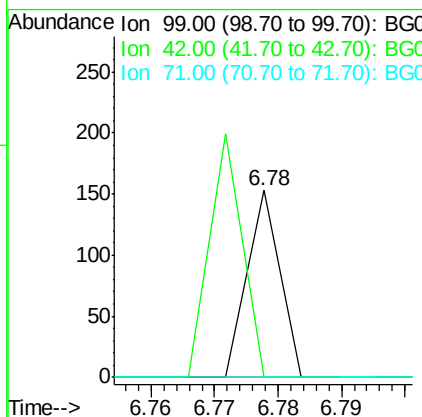
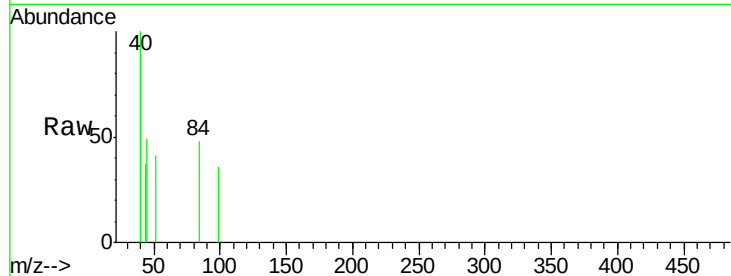
Instrument :

BNA\_G

ClientSampleId :

SS043MW014-150512DL2

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 54    |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 0.0   | 23.5  | 35.3# |
| 71       | 0.0   | 39.8  | 59.8# |



#21

Naphthalene-d8

Concen: 20.00 ng

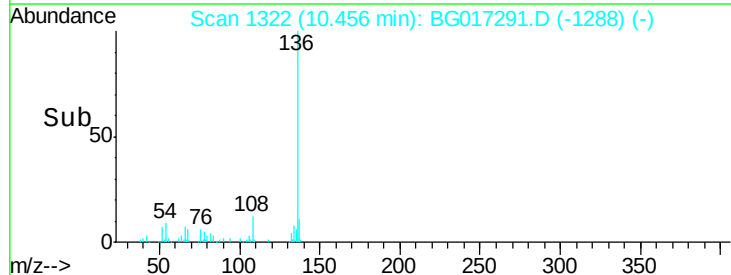
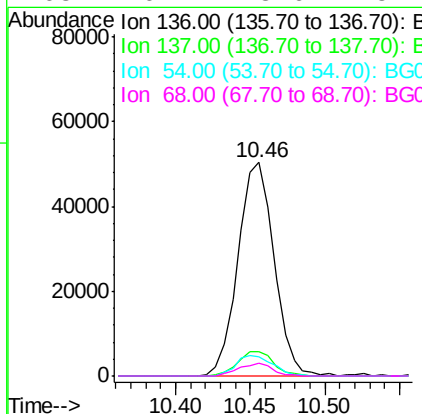
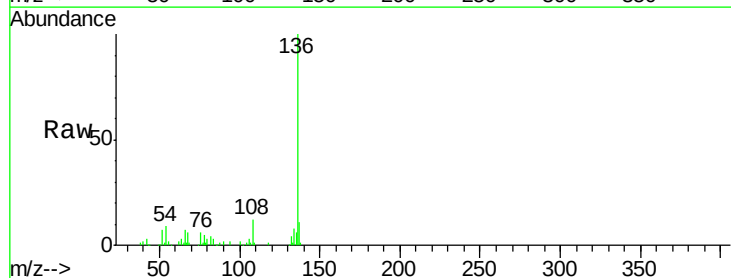
RT: 10.46 min Scan# 1322

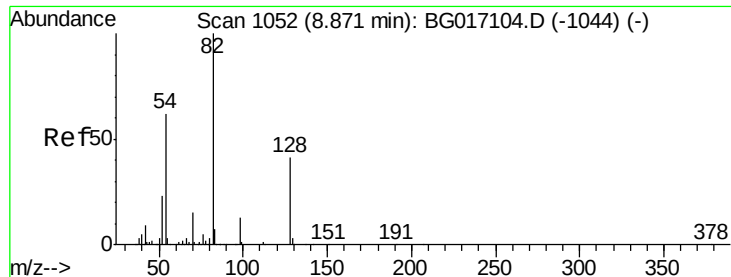
Delta R.T. -0.00 min

Lab File: BG017291.D

Acq: 26 May 2015 23:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 84791 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.5  | 8.3   | 12.5  |
| 54       | 8.9   | 7.4   | 11.2  |
| 68       | 6.1   | 3.6   | 5.4#  |

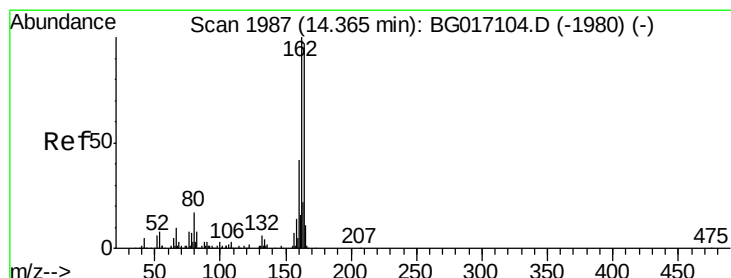
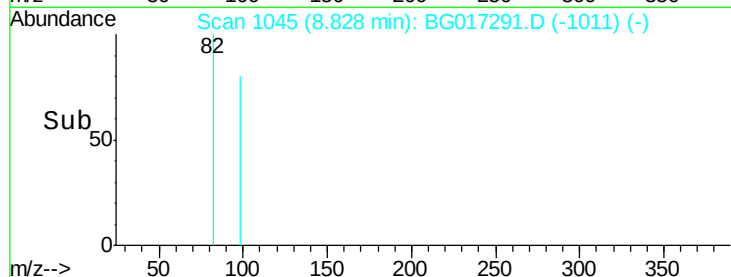
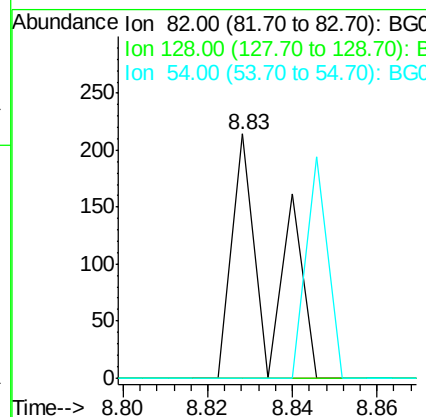
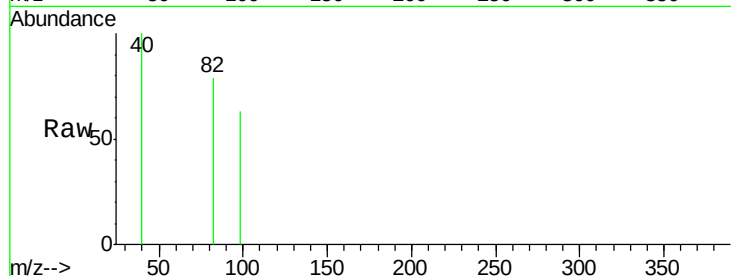




#23  
 Nitrobenzene-d5  
 Concen: 0.07 ng  
 RT: 8.83 min Scan# 1045  
 Delta R.T. -0.00 min  
 Lab File: BG017291.D  
 Acq: 26 May 2015 23:18

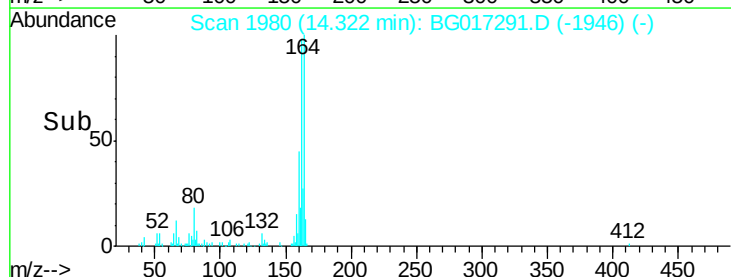
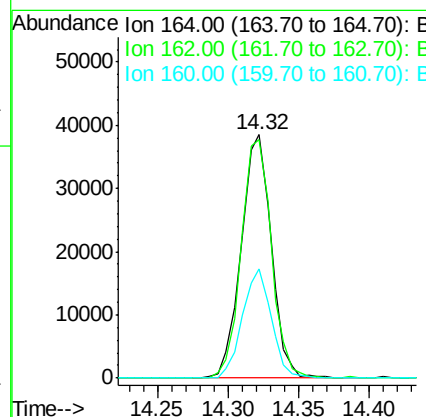
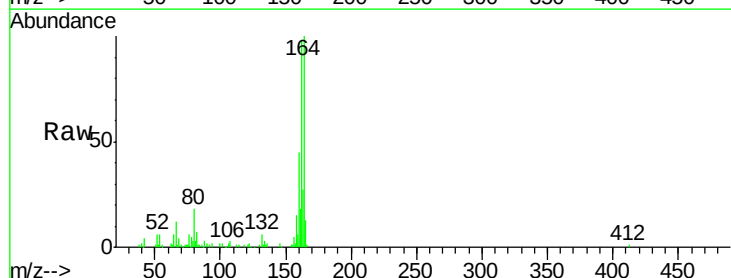
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SS043MW014-150512DL2

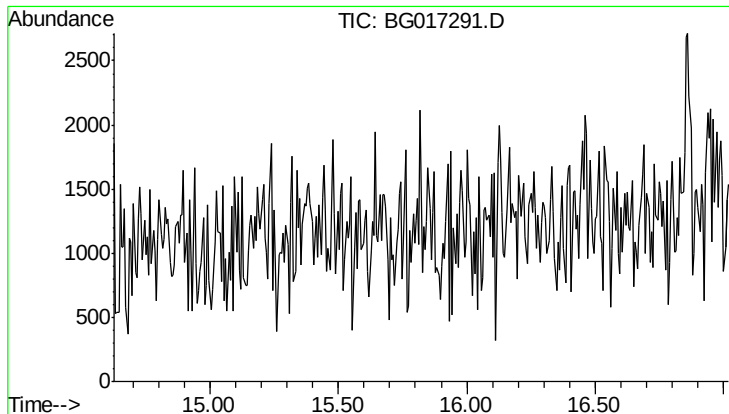
Tgt Ion: 82 Resp: 133  
 Ion Ratio Lower Upper  
 82 100  
 128 0.0 32.6 49.0#  
 54 0.0 49.6 74.4#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.32 min Scan# 1980  
 Delta R.T. -0.00 min  
 Lab File: BG017291.D  
 Acq: 26 May 2015 23:18

Tgt Ion: 164 Resp: 57227  
 Ion Ratio Lower Upper  
 164 100  
 162 98.2 82.1 123.1  
 160 45.1 34.8 52.2

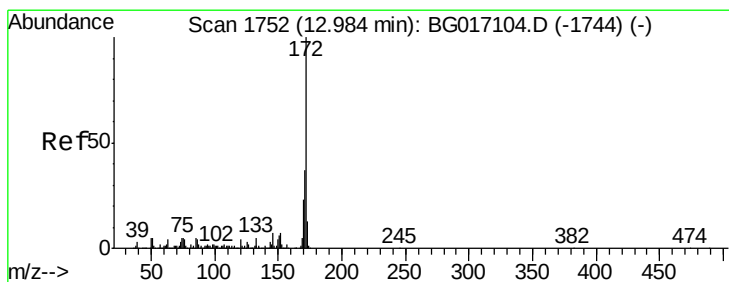
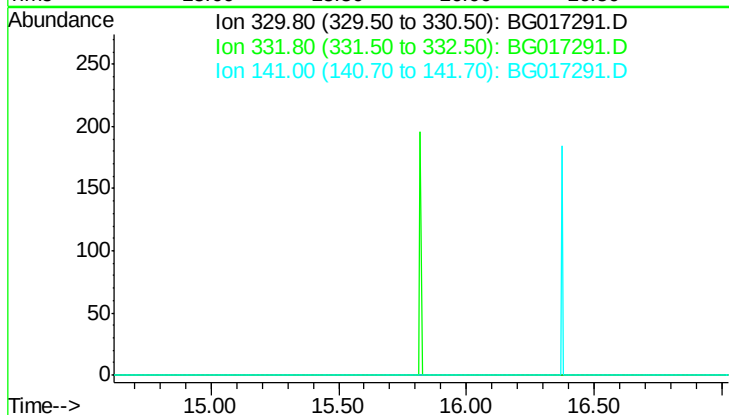




#41  
 2,4,6-Tribromophenol  
 Concen: 0.00 ng  
 Expected RT: 15.82 min  
 Lab File: BG017291.D  
 Acq: 26 May 2015 23:18

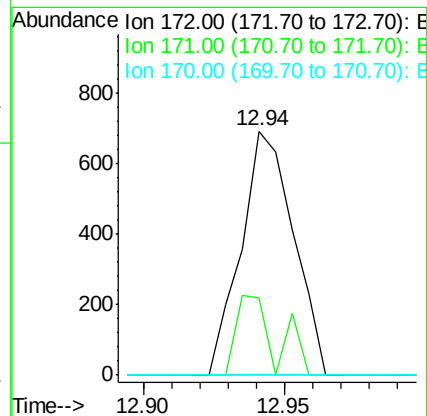
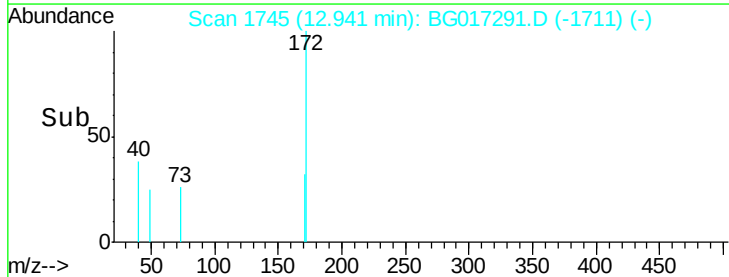
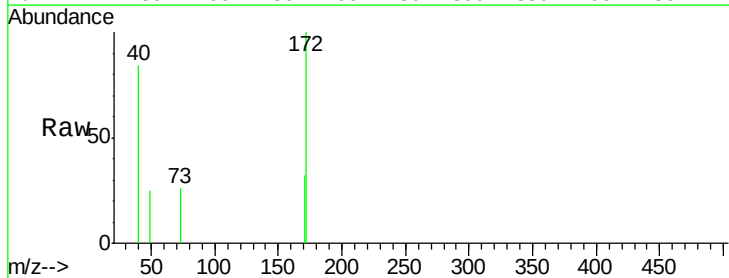
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SS043MW014-150512DL2

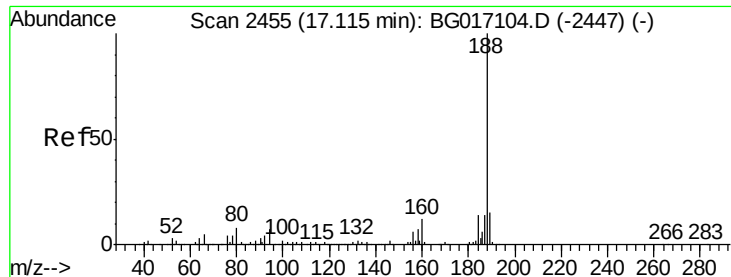
Tgt Ion: 330  
 Sig Exp Ratio  
 330 100  
 332 96.1  
 141 52.7



#44  
 2-Fluorobiphenyl  
 Concen: 0.23 ng  
 RT: 12.94 min Scan# 1745  
 Delta R.T. -0.00 min  
 Lab File: BG017291.D  
 Acq: 26 May 2015 23:18

Tgt Ion: 172 Resp: 889  
 Ion Ratio Lower Upper  
 172 100  
 171 31.5 29.7 44.5  
 170 0.0 18.4 27.6#

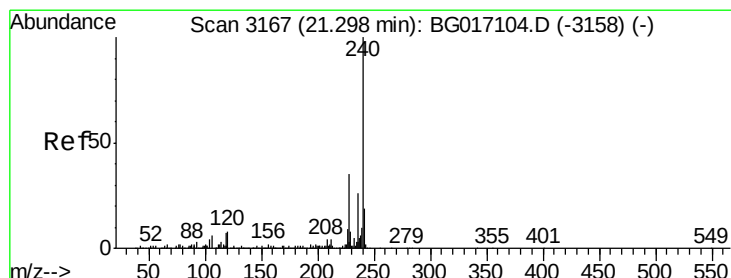
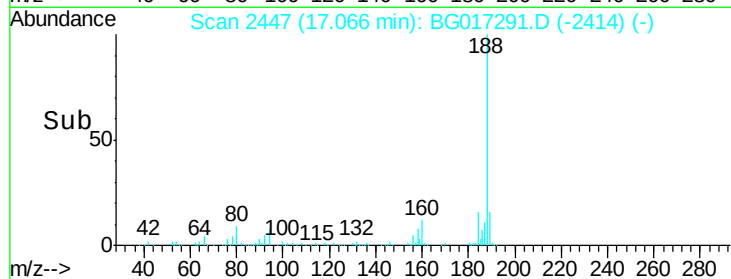
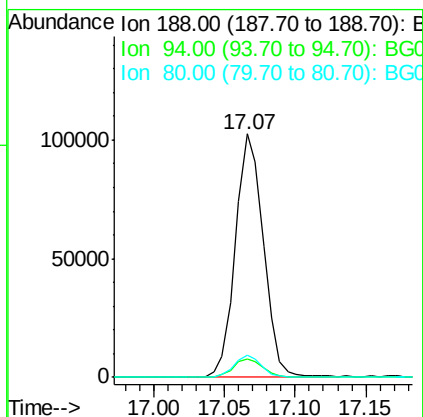
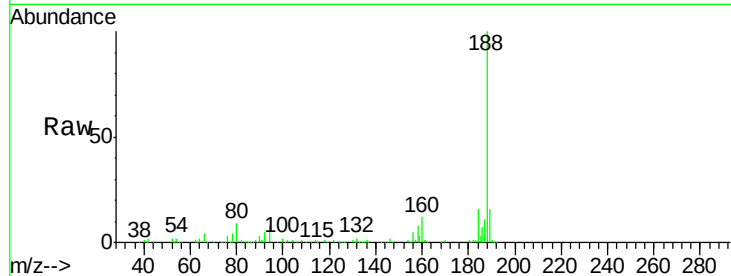




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.07 min Scan# 2447  
Delta R.T. -0.01 min  
Lab File: BG017291.D  
Acq: 26 May 2015 23:18

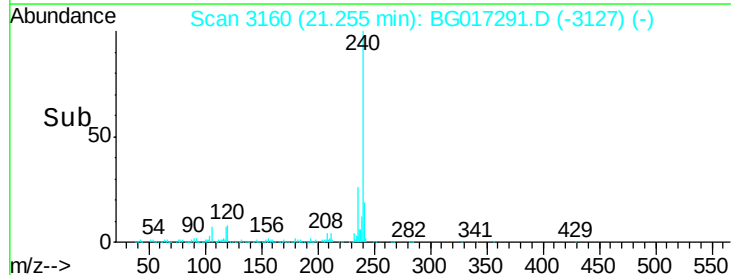
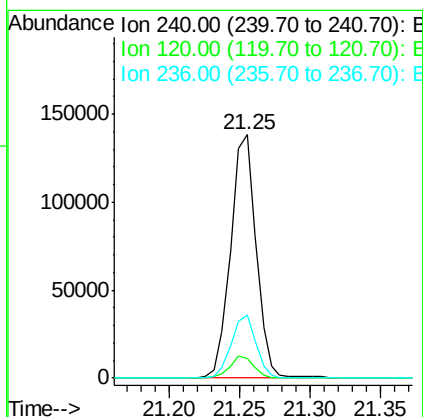
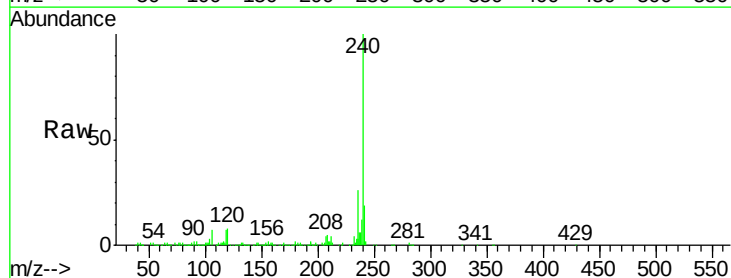
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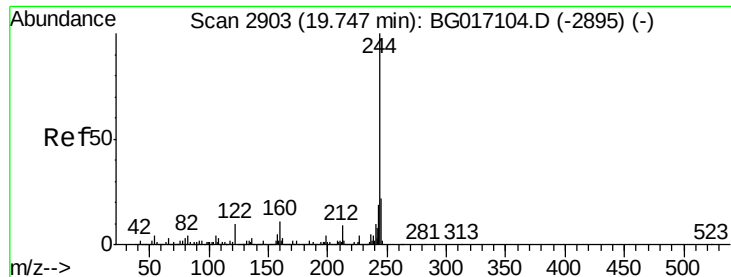
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 142114 |       |       |
| 94      | 7.7   |        | 5.8   | 8.6   |
| 80      | 8.9   |        | 6.5   | 9.7   |



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.25 min Scan# 3160  
Delta R.T. -0.01 min  
Lab File: BG017291.D  
Acq: 26 May 2015 23:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 174617 |       |       |
| 120     | 8.2   |        | 6.0   | 9.0   |
| 236     | 25.9  |        | 20.5  | 30.7  |





#78

Terphenyl-d14

Concen: 0.31 ng

RT: 19.70 min Scan# 2895

Delta R.T. -0.01 min

Lab File: BG017291.D

Acq: 26 May 2015 23:18

Instrument :

BNA\_G

ClientSampleId :

SS043MW014-150512DL2

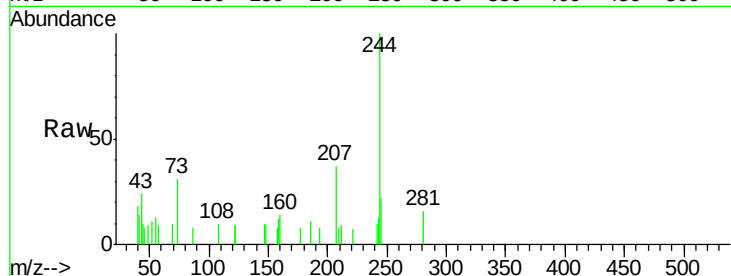
Tgt Ion:244 Resp: 2617

Ion Ratio Lower Upper

244 100

212 9.3 7.0 10.4

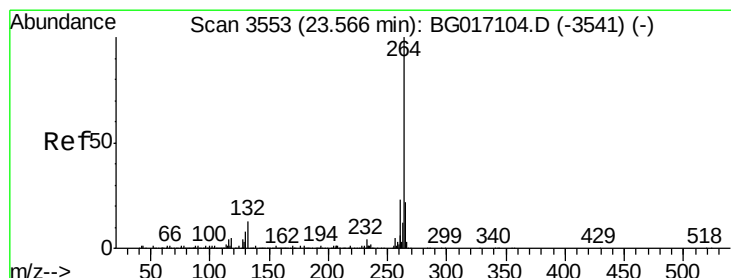
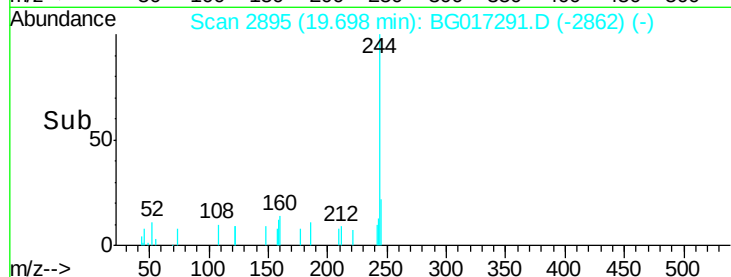
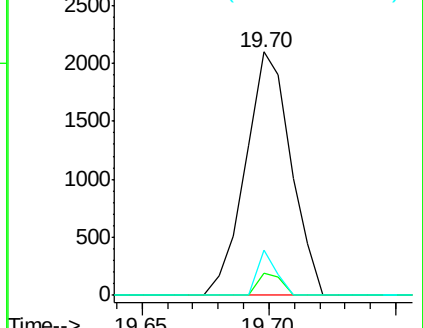
122 18.4 8.4 12.6#



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: 23.49 min Scan# 3541

Delta R.T. -0.01 min

Lab File: BG017291.D

Acq: 26 May 2015 23:18

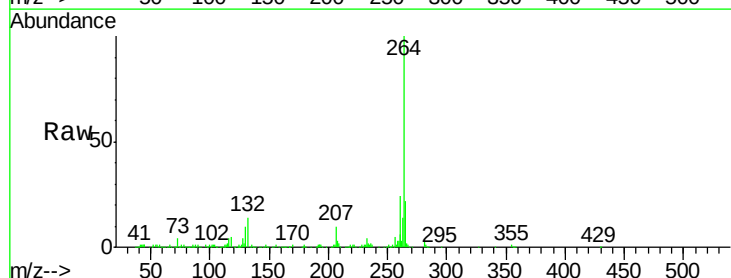
Tgt Ion:264 Resp: 173921

Ion Ratio Lower Upper

264 100

260 24.4 18.0 27.0

265 22.2 17.4 26.0



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

