

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060515\  
 Data File : BG017494.D  
 Acq On : 6 Jun 2015 5:34  
 Operator : TP/IZ  
 Sample : G2504-03  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-3

Quant Time: Jun 06 06:47:57 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 06 06:36:17 2015  
 Response via : Initial Calibration

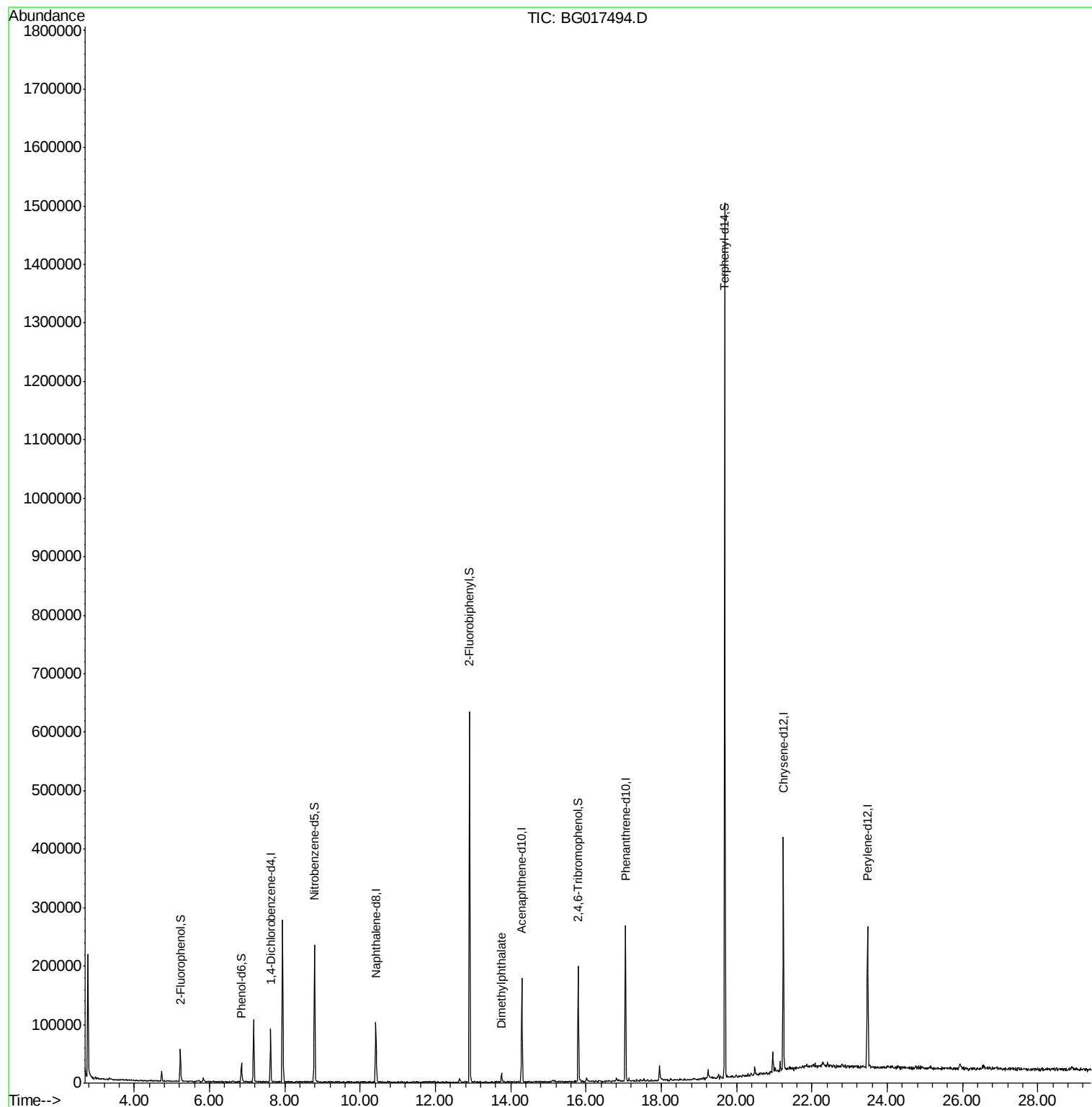
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.62  | 152  | 19740    | 20.00 | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.42 | 136  | 80346    | 20.00 | ng    | 0.00           |
| 38) Acenaphthene-d10        | 14.29 | 164  | 54700    | 20.00 | ng    | 0.00           |
| 63) Phenanthrene-d10        | 17.05 | 188  | 135872   | 20.00 | ng    | 0.00           |
| 75) Chrysene-d12            | 21.24 | 240  | 168291   | 20.00 | ng    | 0.00           |
| 86) Perylene-d12            | 23.48 | 264  | 165479   | 20.00 | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |       |       |                |
| 5) 2-Fluorophenol           | 5.23  | 112  | 19780    | 17.65 | ng    | 0.00           |
| 7) Phenol-d6                | 6.85  | 99   | 16229    | 10.63 | ng    | 0.01           |
| 23) Nitrobenzene-d5         | 8.79  | 82   | 116900   | 72.63 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 15.80 | 330  | 29287    | 38.55 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 12.90 | 172  | 267694   | 73.82 | ng    | 0.00           |
| 78) Terphenyl-d14           | 19.69 | 244  | 580867   | 71.34 | ng    | 0.00           |
| Target Compounds            |       |      |          |       |       |                |
| 49) Dimethylphthalate       | 13.76 | 163  | 9635     | 2.02  | ng    | Qvalue<br># 94 |

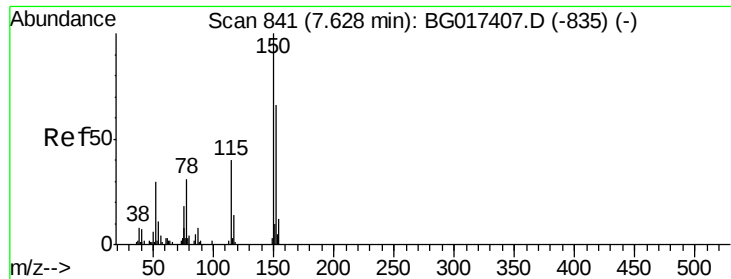
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060515\  
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Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MW-3

Quant Time: Jun 06 06:47:57 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jun 06 06:36:17 2015  
Response via : Initial Calibration



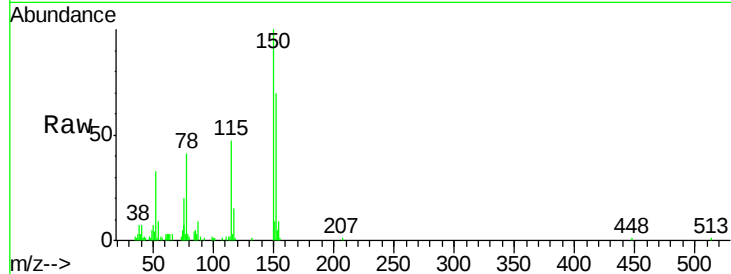


#1

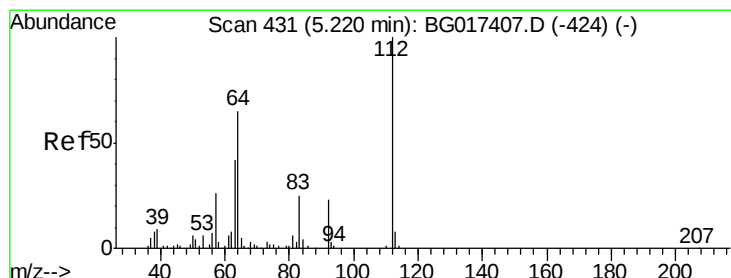
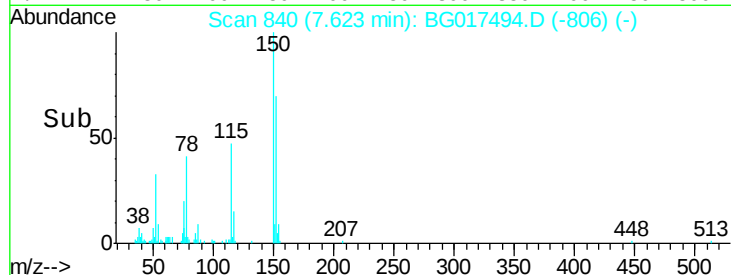
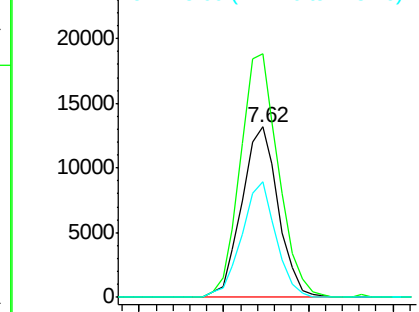
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.62 min Scan# 840  
Delta R.T. -0.00 min  
Lab File: BG017494.D  
Acq: 6 Jun 2015 5:34

Instrument :  
BNA\_G  
ClientSampled :  
MW-3

Tgt Ion:152 Resp: 19740  
Ion Ratio Lower Upper  
152 100  
150 143.0 121.7 182.5  
115 67.7 48.6 73.0



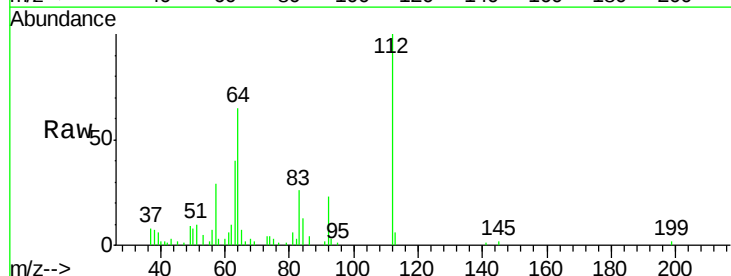
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



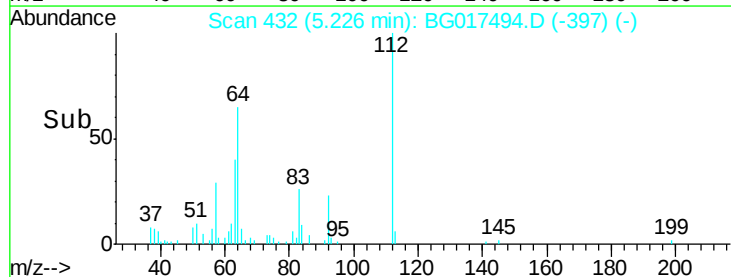
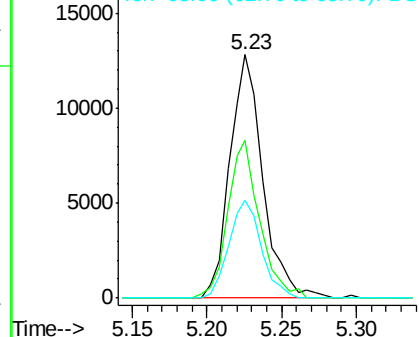
#5

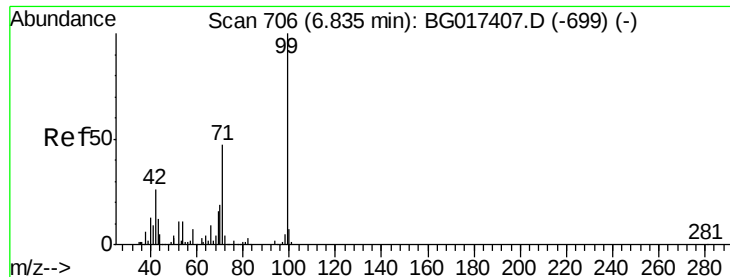
2-Fluorophenol  
Concen: 17.65 ng  
RT: 5.23 min Scan# 432  
Delta R.T. 0.00 min  
Lab File: BG017494.D  
Acq: 6 Jun 2015 5:34

Tgt Ion:112 Resp: 19780  
Ion Ratio Lower Upper  
112 100  
64 64.8 51.6 77.4  
63 40.0 33.3 49.9



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: 10.63 ng

RT: 6.85 min Scan# 708

Delta R.T. 0.01 min

Lab File: BG017494.D

Acq: 6 Jun 2015 5:34

Instrument :

BNA\_G

ClientSampleId :

MW-3

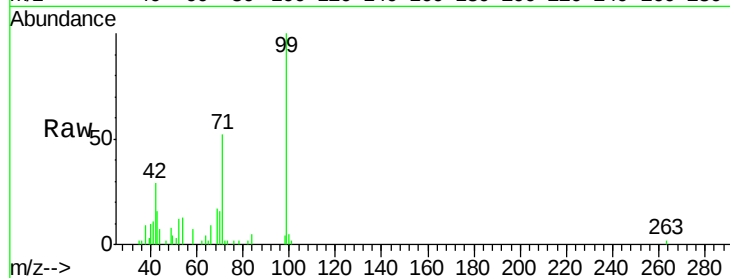
Tgt Ion: 99 Resp: 16229

Ion Ratio Lower Upper

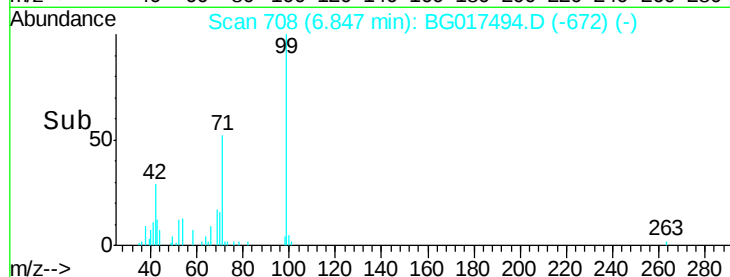
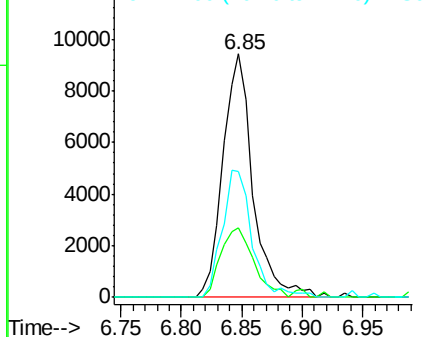
99 100

42 28.7 21.0 31.6

71 51.8 37.2 55.8



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: 10.42 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BG017494.D

Acq: 6 Jun 2015 5:34

Tgt Ion: 136 Resp: 80346

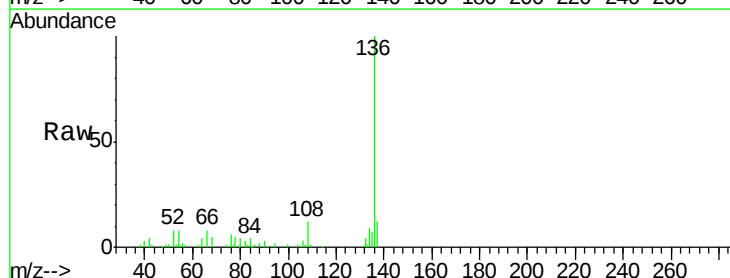
Ion Ratio Lower Upper

136 100

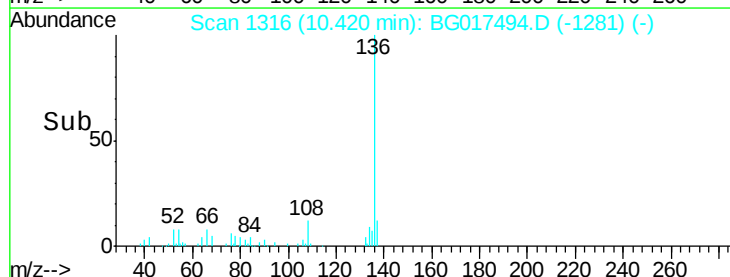
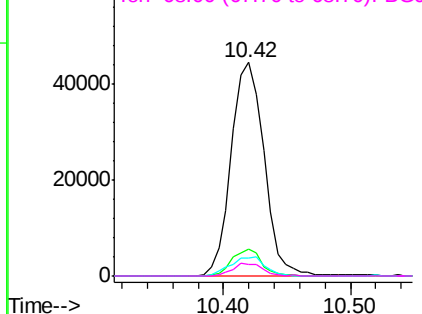
137 12.5 7.9 11.9#

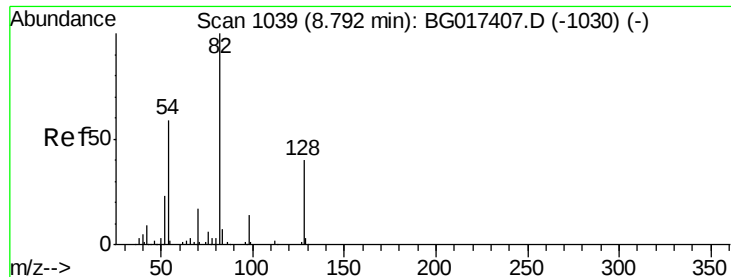
54 8.2 7.2 10.8

68 5.1 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

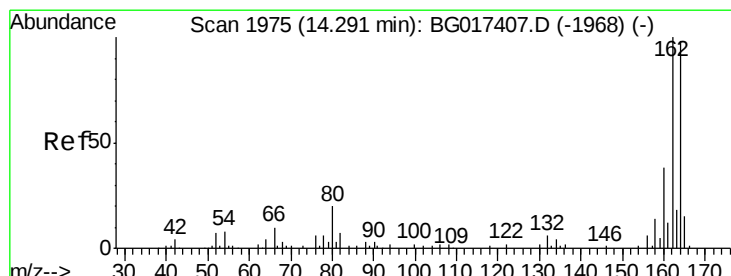
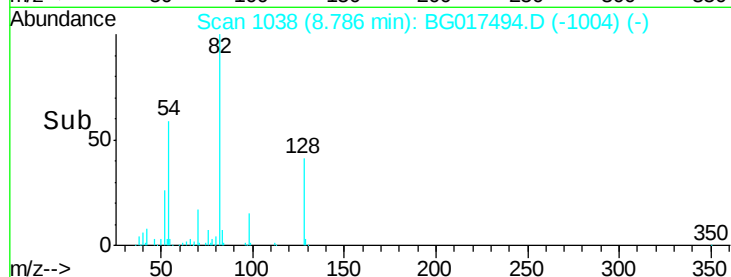
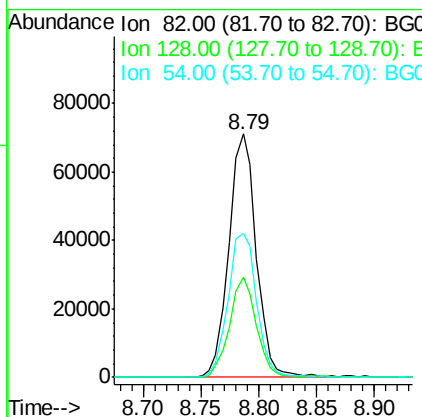
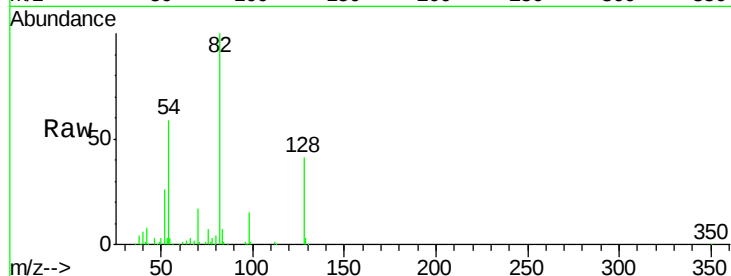




#23  
 Nitrobenzene-d5  
 Concen: 72.63 ng  
 RT: 8.79 min Scan# 1038  
 Delta R.T. -0.00 min  
 Lab File: BG017494.D  
 Acq: 6 Jun 2015 5:34

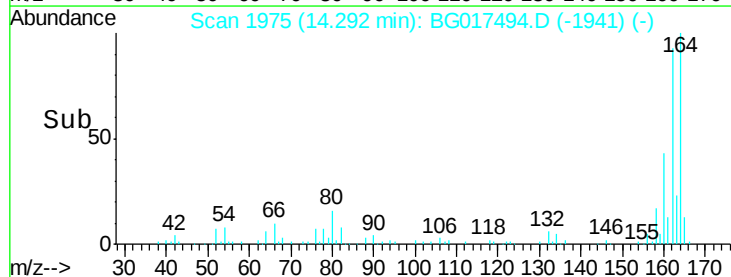
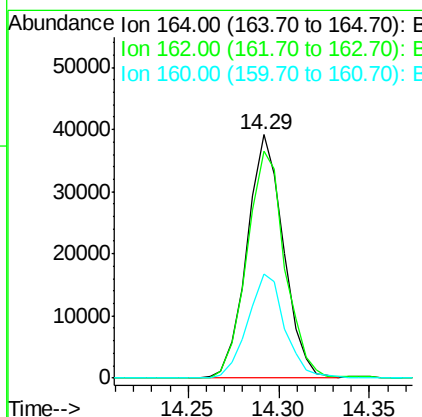
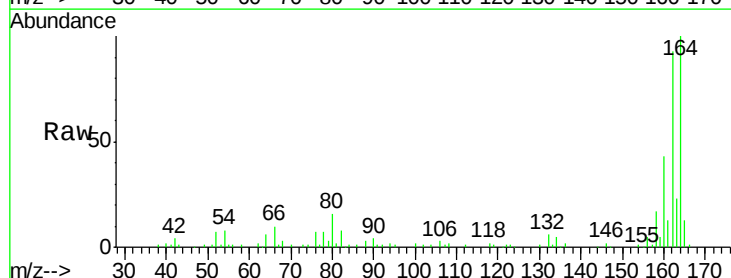
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-3

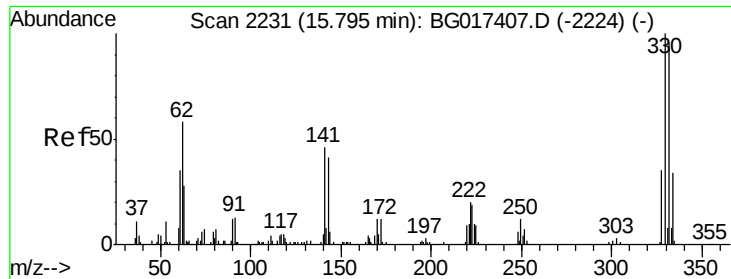
Tgt Ion: 82 Resp: 116900  
 Ion Ratio Lower Upper  
 82 100  
 128 41.3 32.2 48.4  
 54 59.2 47.4 71.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.29 min Scan# 1975  
 Delta R.T. -0.00 min  
 Lab File: BG017494.D  
 Acq: 6 Jun 2015 5:34

Tgt Ion: 164 Resp: 54700  
 Ion Ratio Lower Upper  
 164 100  
 162 93.4 81.8 122.6  
 160 42.9 31.0 46.4

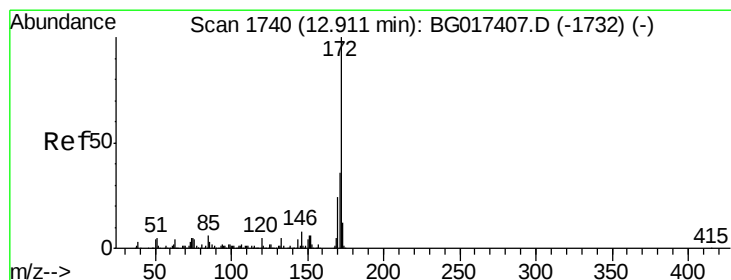
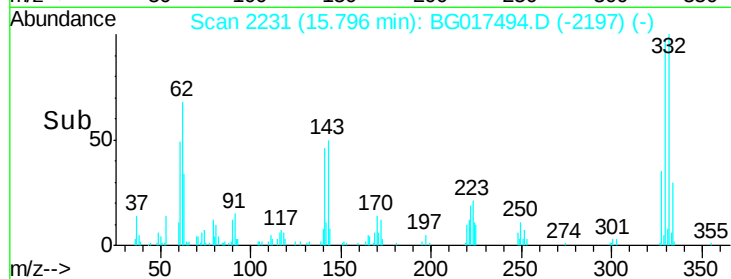
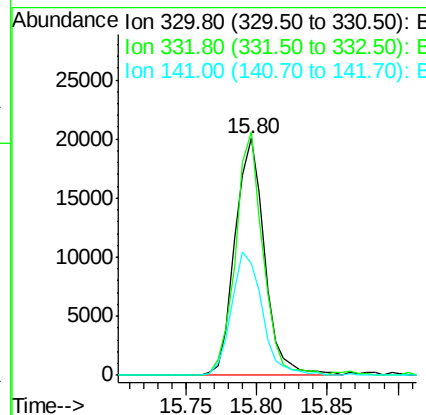
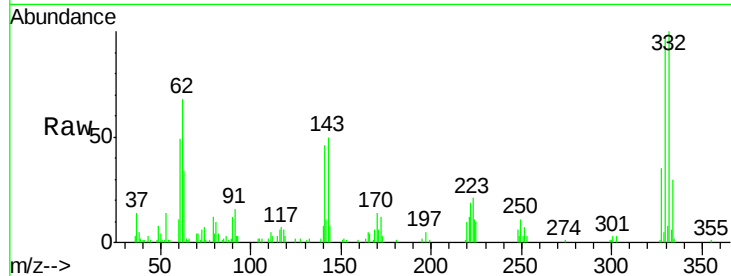




#41  
 2,4,6-Tribromophenol  
 Concen: 38.55 ng  
 RT: 15.80 min Scan# 2231  
 Delta R.T. -0.00 min  
 Lab File: BG017494.D  
 Acq: 6 Jun 2015 5:34

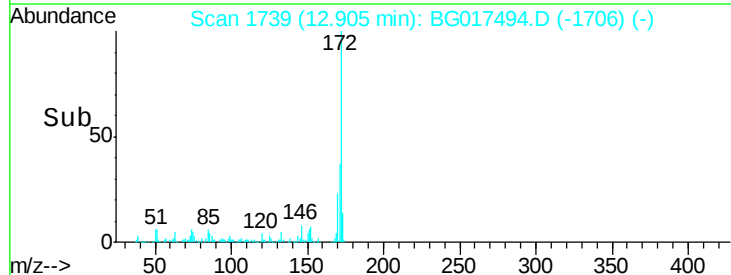
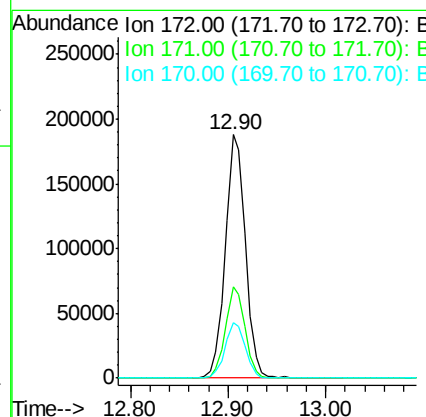
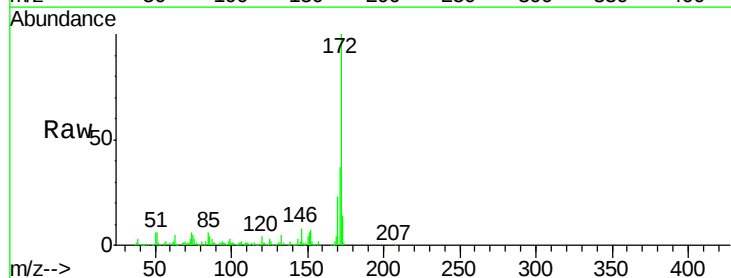
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-3

Tgt Ion:330 Resp: 29287  
 Ion Ratio Lower Upper  
 330 100  
 332 94.9 75.9 113.9  
 141 54.0 40.2 60.4



#44  
 2-Fluorobiphenyl  
 Concen: 73.82 ng  
 RT: 12.90 min Scan# 1739  
 Delta R.T. -0.01 min  
 Lab File: BG017494.D  
 Acq: 6 Jun 2015 5:34

Tgt Ion:172 Resp: 267694  
 Ion Ratio Lower Upper  
 172 100  
 171 37.3 29.0 43.6  
 170 22.6 18.9 28.3





#49

Dimethylphthalate

Concen: 2.02 ng

RT: 13.76 min Scan# 1884

Delta R.T. -0.01 min

Lab File: BG017494.D

Acq: 6 Jun 2015 5:34

Instrument :

BNA\_G

ClientSampleId :

MW-3

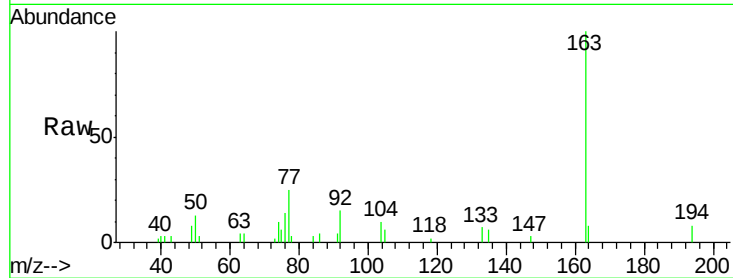
Tgt Ion:163 Resp: 9635

Ion Ratio Lower Upper

163 100

194 8.2 4.9 7.3#

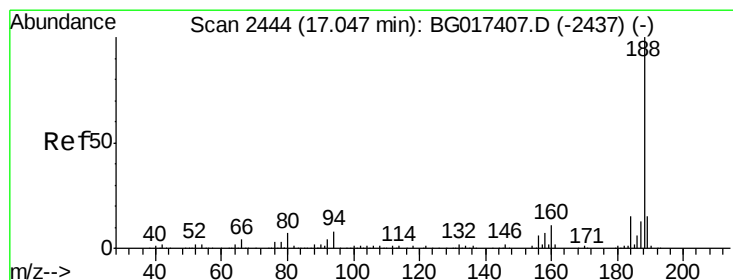
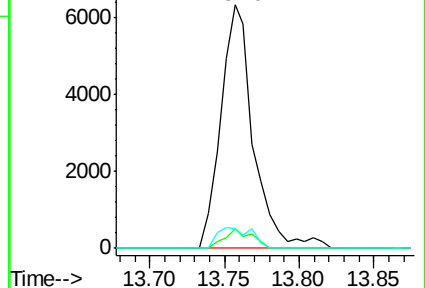
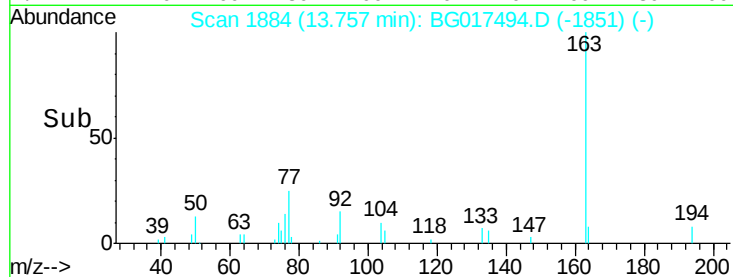
164 7.9 8.2 12.2#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.05 min Scan# 2444

Delta R.T. -0.00 min

Lab File: BG017494.D

Acq: 6 Jun 2015 5:34

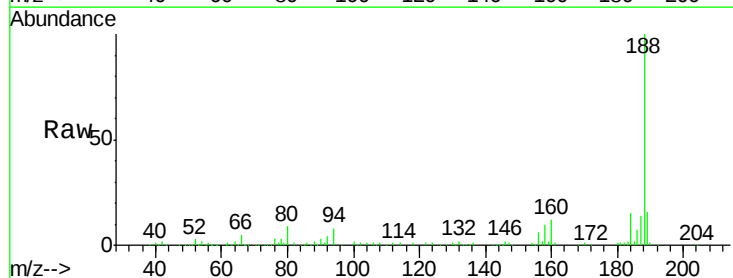
Tgt Ion:188 Resp: 135872

Ion Ratio Lower Upper

188 100

94 7.8 6.3 9.5

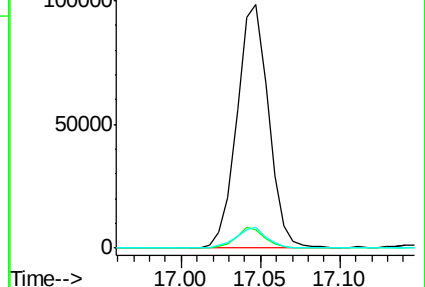
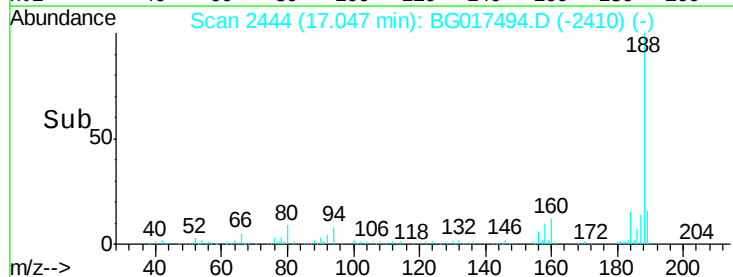
80 8.6 5.2 7.8#

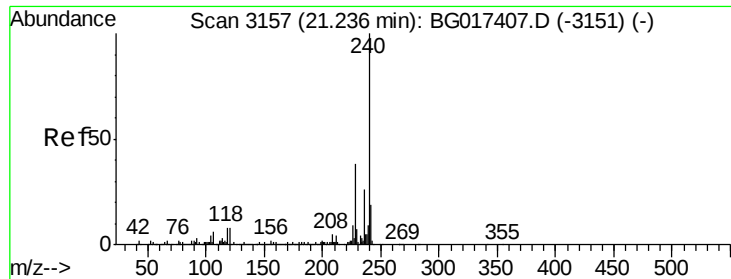


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.24 min Scan# 3158

Delta R.T. -0.00 min

Lab File: BG017494.D

Acq: 6 Jun 2015 5:34

Instrument :

BNA\_G

ClientSampleId :

MW-3

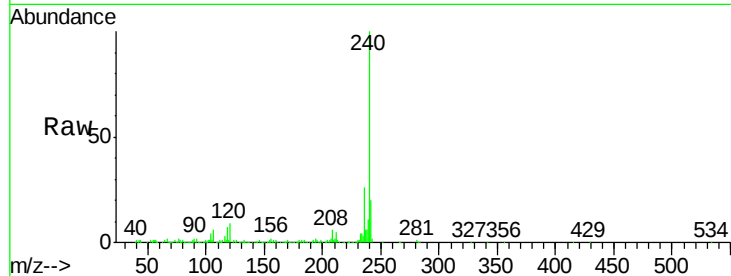
Tgt Ion:240 Resp: 168291

Ion Ratio Lower Upper

240 100

120 8.9 6.5 9.7

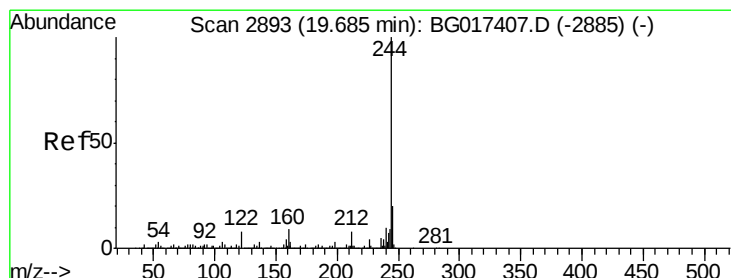
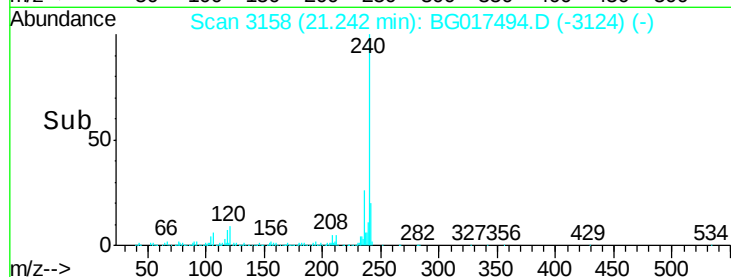
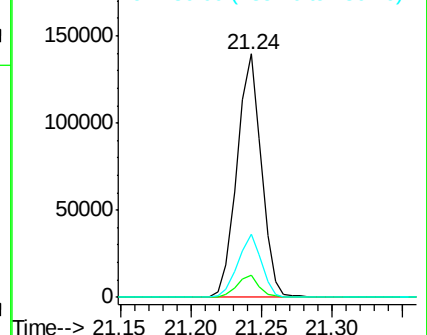
236 25.7 20.8 31.2



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: 71.34 ng

RT: 19.69 min Scan# 2893

Delta R.T. -0.00 min

Lab File: BG017494.D

Acq: 6 Jun 2015 5:34

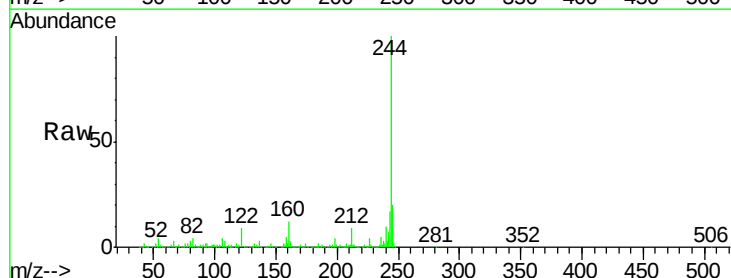
Tgt Ion:244 Resp: 580867

Ion Ratio Lower Upper

244 100

212 9.3 6.4 9.6

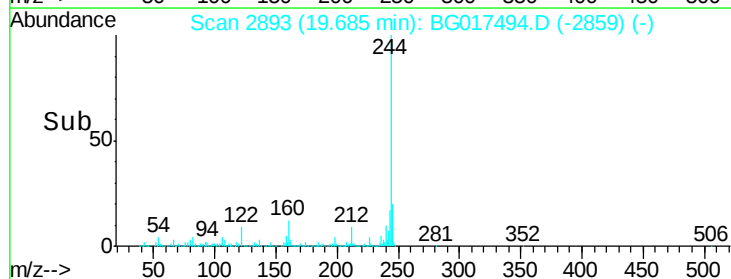
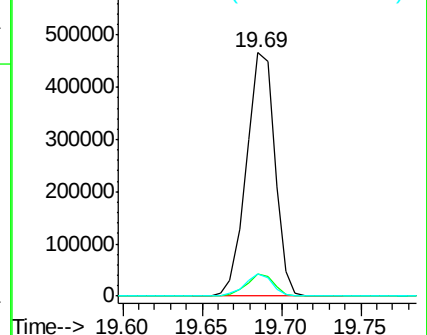
122 8.9 6.6 10.0

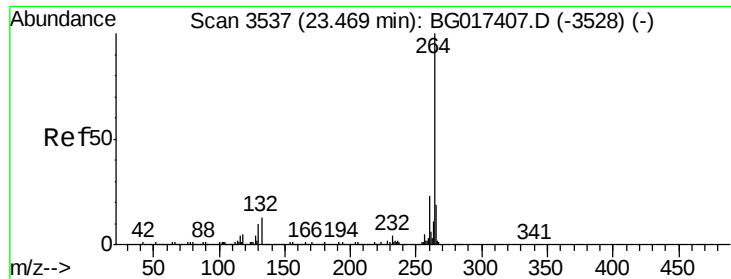


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.48 min Scan# 3539  
Delta R.T. -0.00 min  
Lab File: BG017494.D  
Acq: 6 Jun 2015 5:34

Instrument :  
BNA\_G  
ClientSampleId :  
MW-3

Tgt Ion: 264 Resp: 165479  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 18.2  | 27.4  |
| 265 | 20.0  | 15.8  | 23.6  |

