

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG110216\  
 Data File : BG024643.D  
 Acq On : 3 Nov 2016 2:26  
 Operator : UM/SJ  
 Sample : H5506-03  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TEC-COMP1

Quant Time: Nov 03 03:36:45 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG102516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 26 11:14:13 2016  
 Response via : Initial Calibration

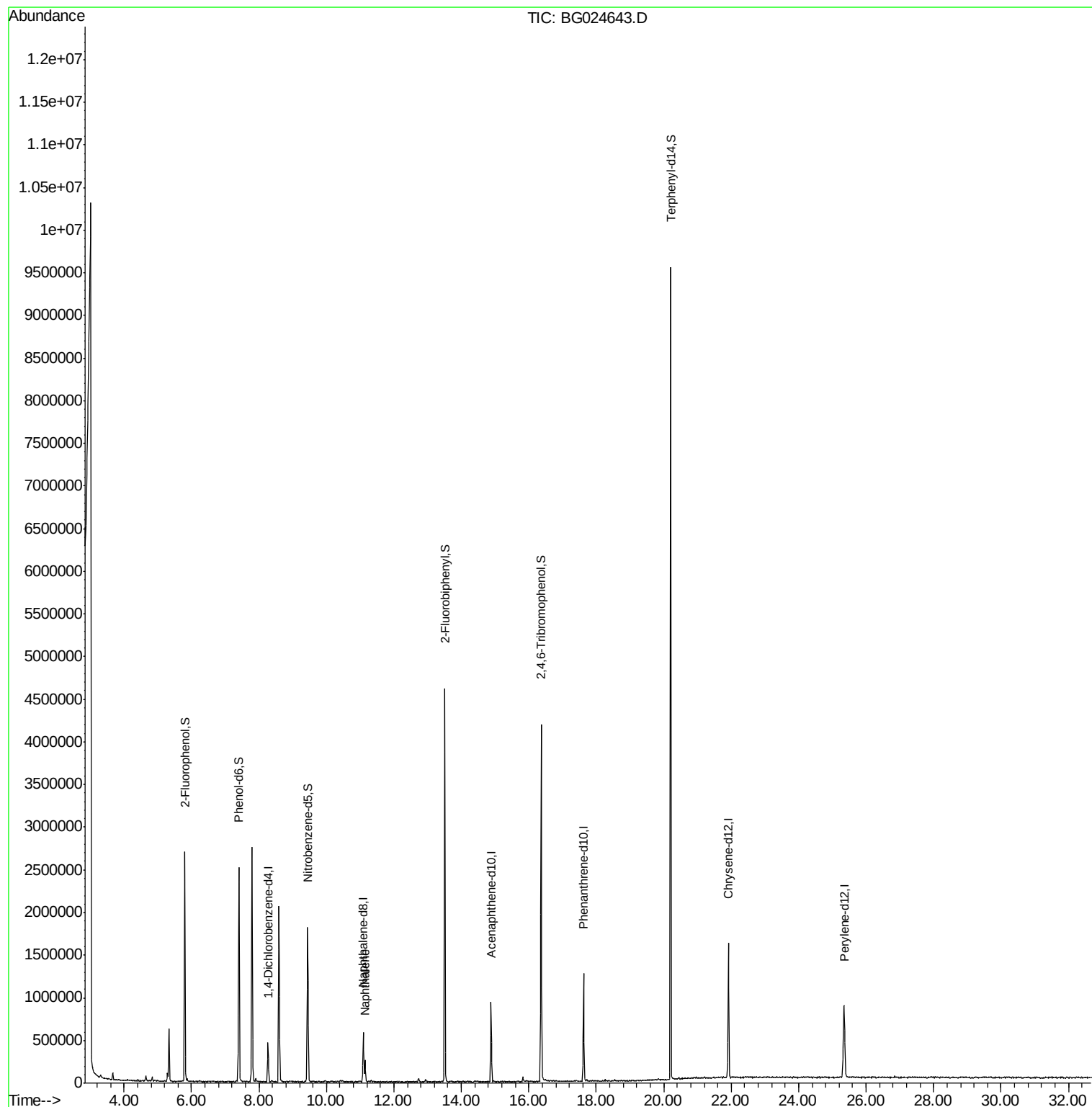
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.27  | 152  | 123130   | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 11.09 | 136  | 474982   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.88 | 164  | 355809   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.62 | 188  | 809847   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.92 | 240  | 1066403  | 20.00  | ng    | -0.01        |
| 86) Perylene-d12            | 25.34 | 264  | 1084586  | 20.00  | ng    | -0.03        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.80  | 112  | 1057675  | 140.79 | ng    | 0.00         |
| 7) Phenol-d6                | 7.40  | 99   | 1364372  | 132.40 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.44  | 82   | 1129892  | 108.31 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.36 | 330  | 857223   | 161.27 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.51 | 172  | 2247770  | 105.00 | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.21 | 244  | 3628331  | 101.67 | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 31) Naphthalene             | 11.15 | 128  | 190812   | 8.05   | ng    | Qvalue<br>96 |

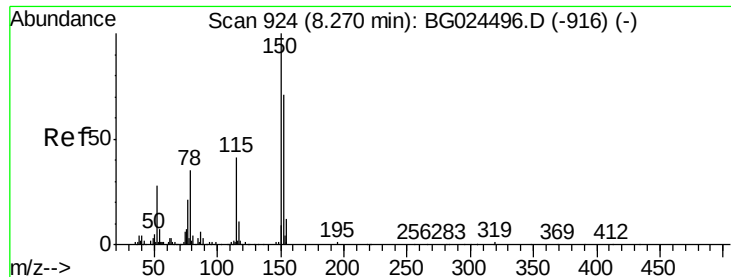
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG102516.M  
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QLast Update : Wed Oct 26 11:14:13 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.27 min Scan# 924

Delta R.T. -0.00 min

Lab File: BG024643.D

Acq: 3 Nov 2016 2:26

Instrument :

BNA\_G

ClientSampleId :

TEC-COMP1

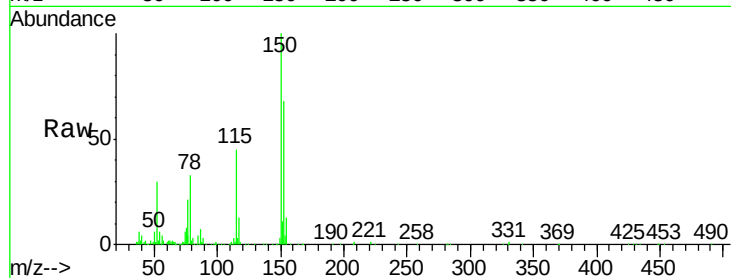
Tgt Ion:152 Resp: 123130

Ion Ratio Lower Upper

152 100

150 147.0 114.0 171.0

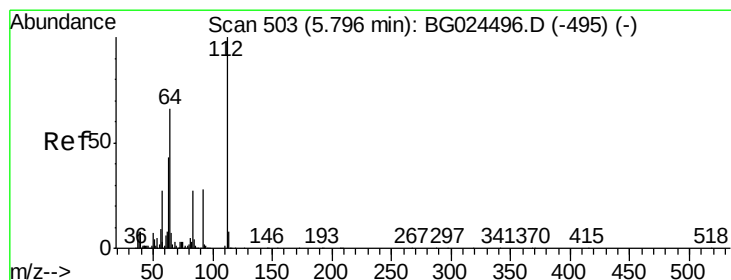
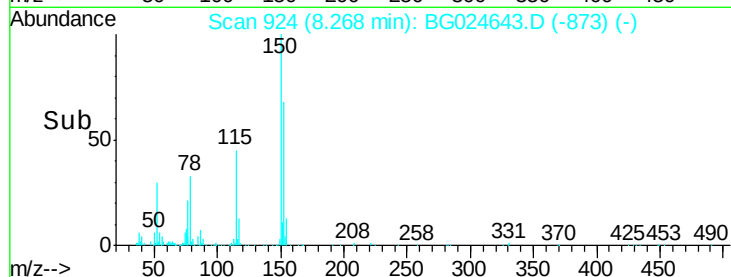
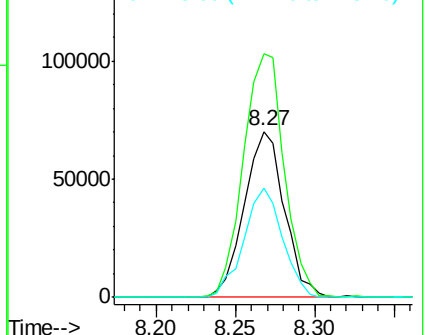
115 66.0 48.1 72.1



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: 140.79 ng

RT: 5.80 min Scan# 504

Delta R.T. 0.00 min

Lab File: BG024643.D

Acq: 3 Nov 2016 2:26

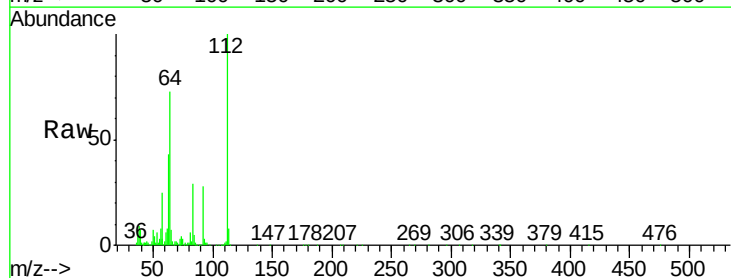
Tgt Ion:112 Resp: 1057675

Ion Ratio Lower Upper

112 100

64 73.3 61.8 92.6

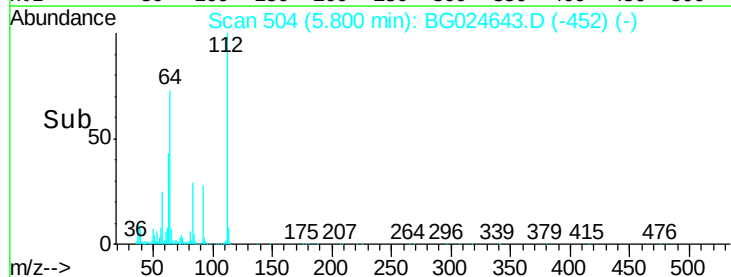
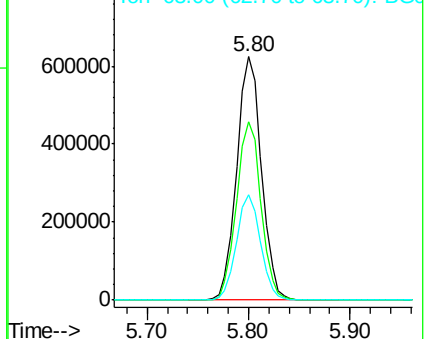
63 43.2 37.2 55.8

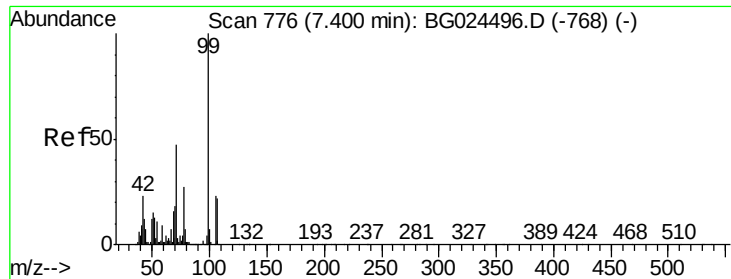


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 132.40 ng

RT: 7.40 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG024643.D

Acq: 3 Nov 2016 2:26

Instrument :

BNA\_G

ClientSampleId :

TEC-COMP1

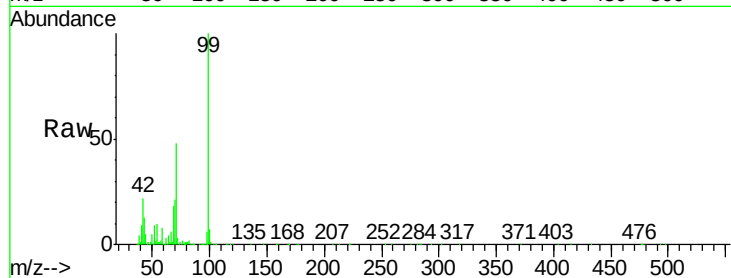
Tgt Ion: 99 Resp: 1364372

Ion Ratio Lower Upper

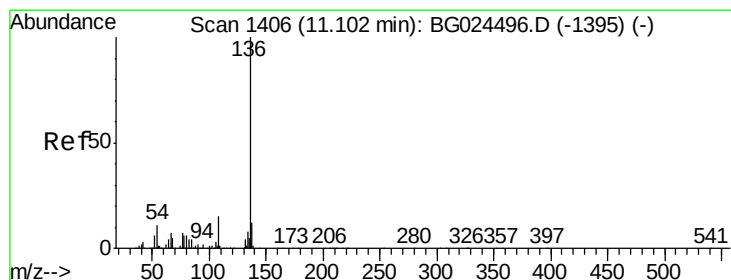
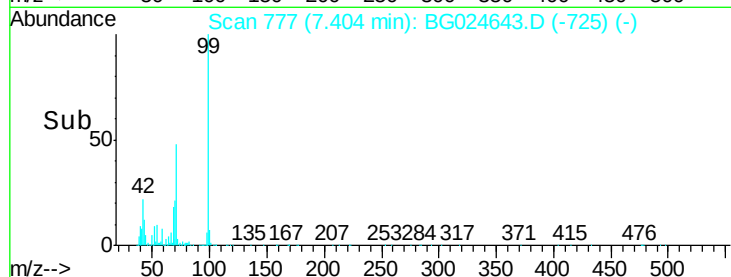
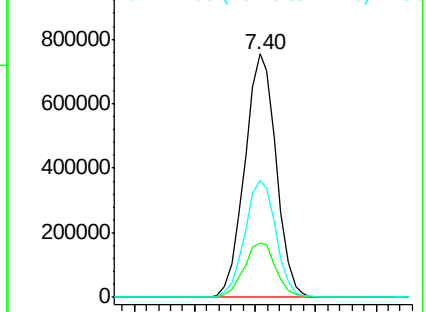
99 100

42 22.2 20.5 30.7

71 48.1 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: 11.09 min Scan# 1405

Delta R.T. -0.01 min

Lab File: BG024643.D

Acq: 3 Nov 2016 2:26

Tgt Ion: 136 Resp: 474982

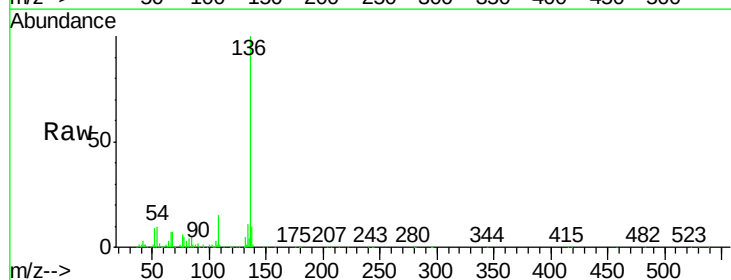
Ion Ratio Lower Upper

136 100

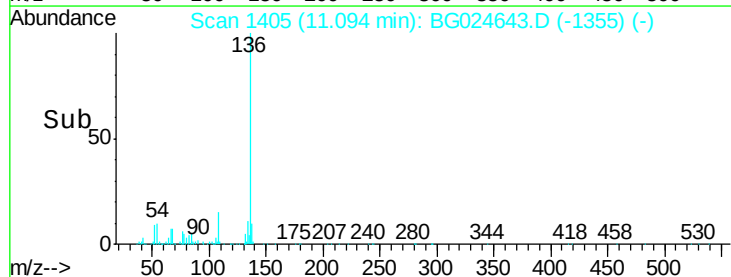
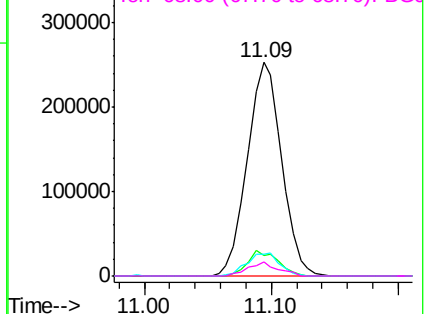
137 9.6 8.9 13.3

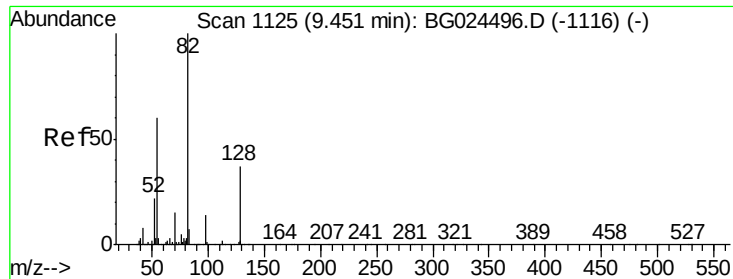
54 10.2 9.3 13.9

68 6.7 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

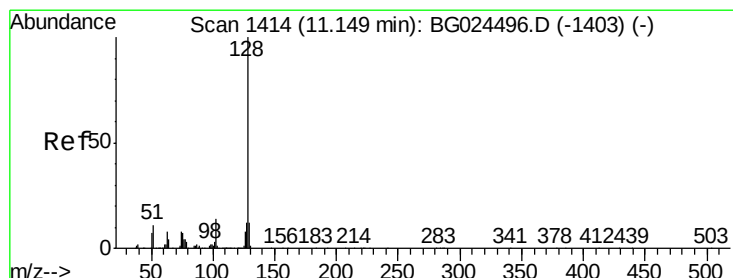
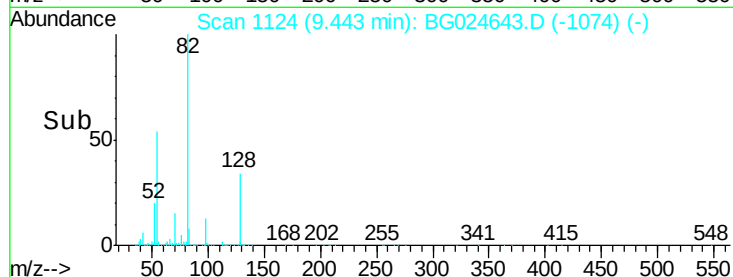
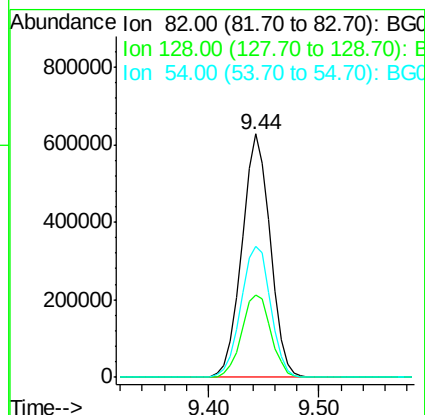
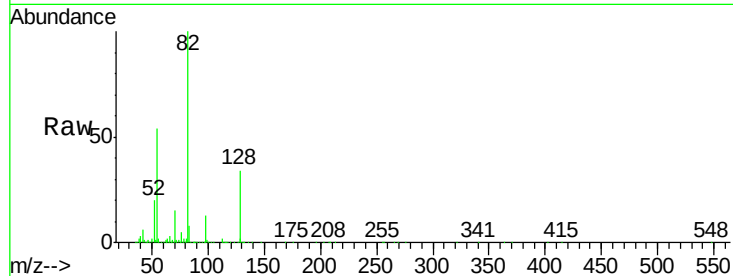




#23  
 Nitrobenzene-d5  
 Concen: 108.31 ng  
 RT: 9.44 min Scan# 1124  
 Delta R.T. -0.01 min  
 Lab File: BG024643.D  
 Acq: 3 Nov 2016 2:26

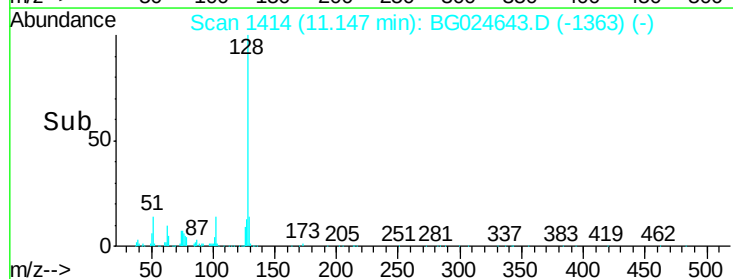
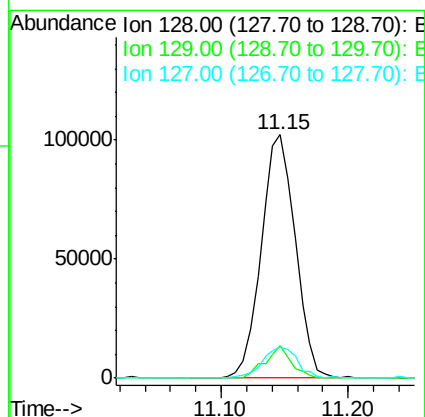
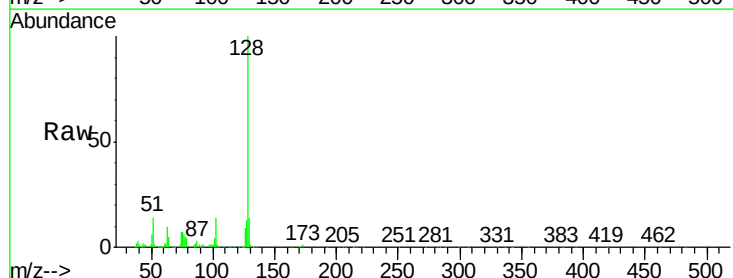
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TEC-COMP1

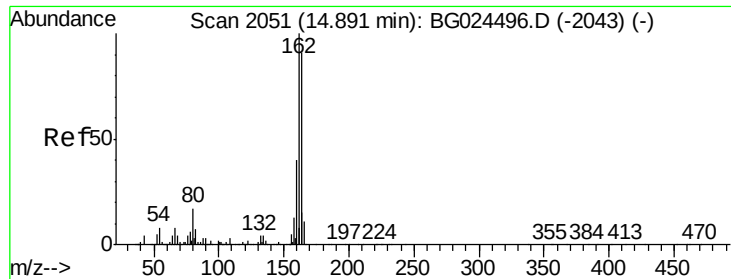
Tgt Ion: 82 Resp: 1129892  
 Ion Ratio Lower Upper  
 82 100  
 128 34.0 26.4 39.6  
 54 53.9 49.4 74.2



#31  
 Naphthalene  
 Concen: 8.05 ng  
 RT: 11.15 min Scan# 1414  
 Delta R.T. -0.00 min  
 Lab File: BG024643.D  
 Acq: 3 Nov 2016 2:26

Tgt Ion: 128 Resp: 190812  
 Ion Ratio Lower Upper  
 128 100  
 129 13.5 9.3 13.9  
 127 12.6 11.4 17.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.88 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BG024643.D

Acq: 3 Nov 2016 2:26

Instrument :

BNA\_G

ClientSampleId :

TEC-COMP1

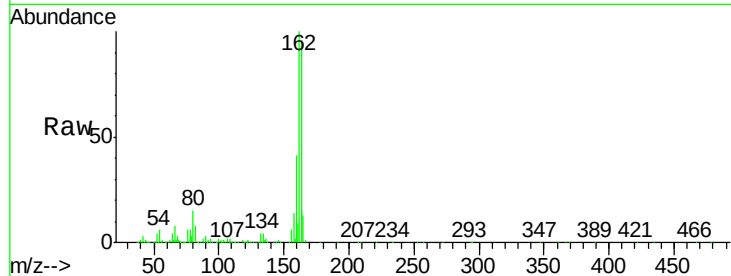
Tgt Ion:164 Resp: 355809

Ion Ratio Lower Upper

164 100

162 104.6 85.1 127.7

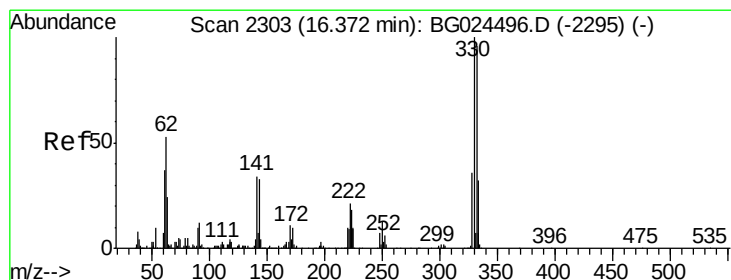
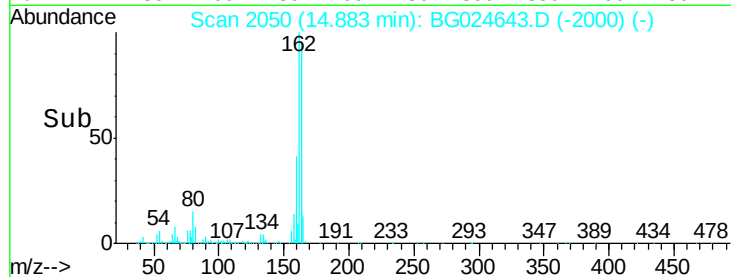
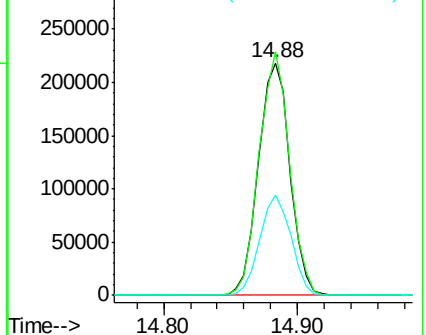
160 43.0 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 161.27 ng

RT: 16.36 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BG024643.D

Acq: 3 Nov 2016 2:26

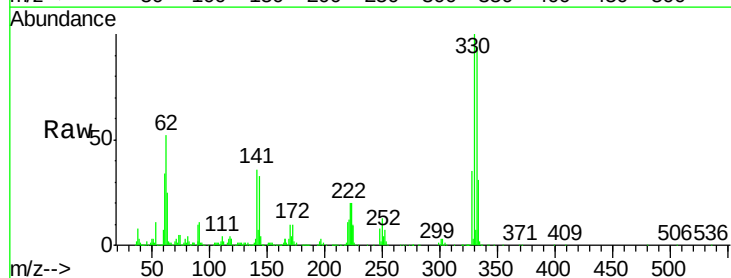
Tgt Ion:330 Resp: 857223

Ion Ratio Lower Upper

330 100

332 95.7 77.3 115.9

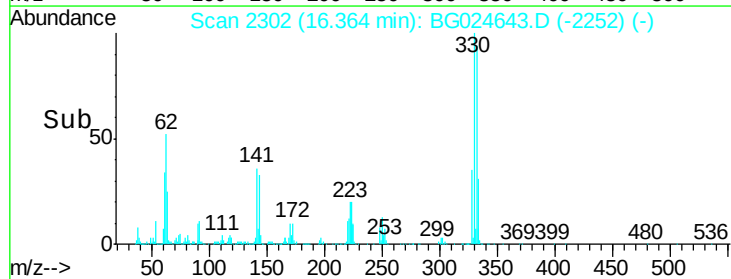
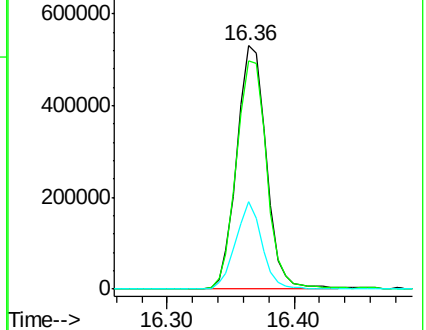
141 32.4 32.1 48.1

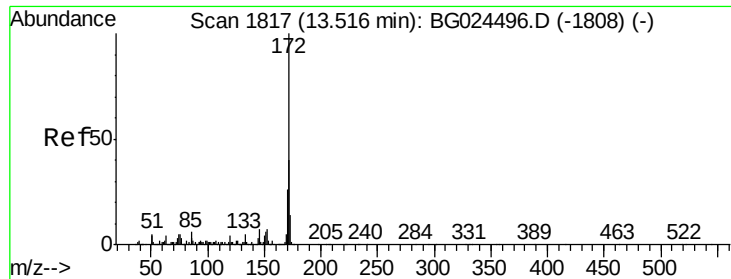


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

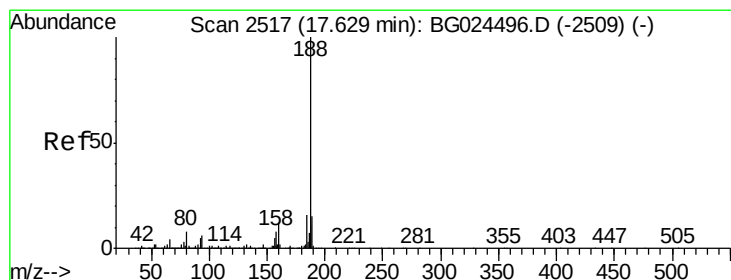
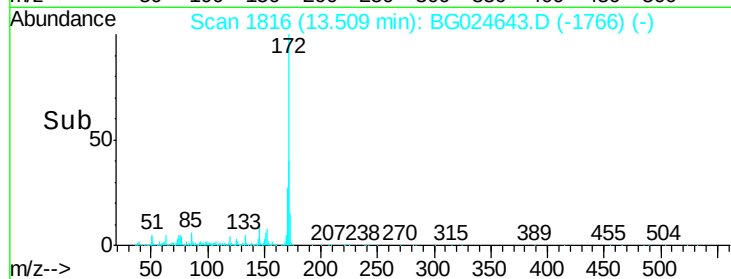
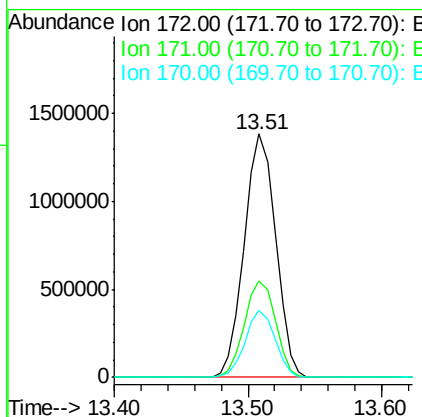
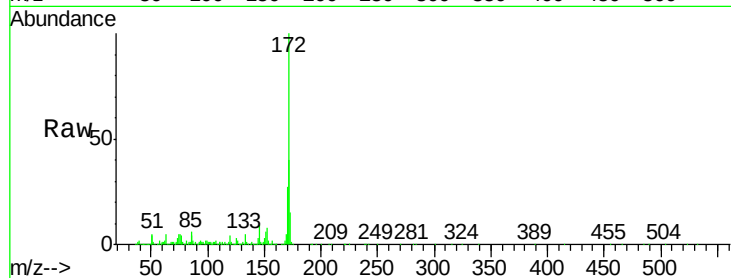




#44  
2-Fluorobiphenyl  
Concen: 105.00 ng  
RT: 13.51 min Scan# 1816  
Delta R.T. -0.01 min  
Lab File: BG024643.D  
Acq: 3 Nov 2016 2:26

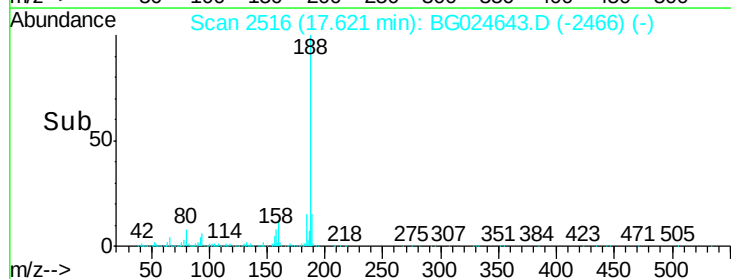
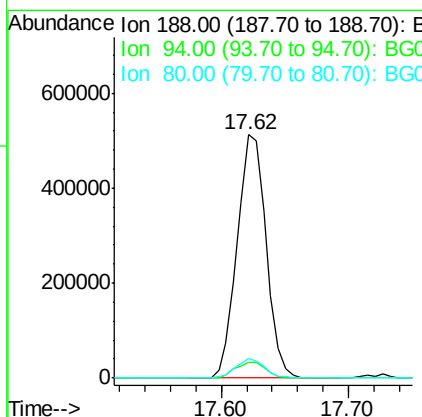
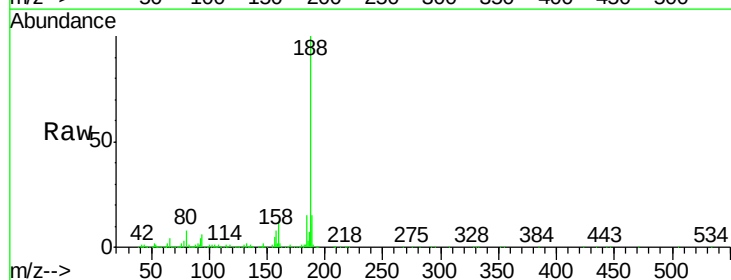
Instrument :  
BNA\_G  
ClientSampleId :  
TEC-COMP1

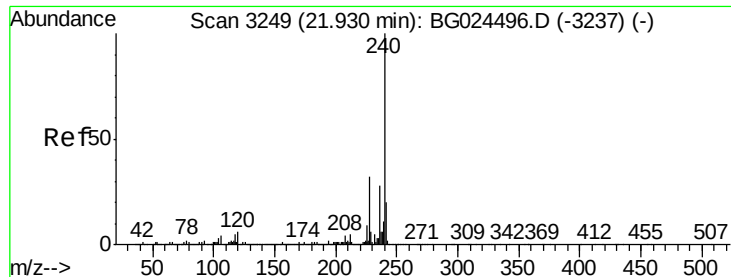
Tgt Ion:172 Resp: 2247770  
Ion Ratio Lower Upper  
172 100  
171 39.6 32.2 48.2  
170 27.4 21.8 32.6



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.62 min Scan# 2516  
Delta R.T. -0.01 min  
Lab File: BG024643.D  
Acq: 3 Nov 2016 2:26

Tgt Ion:188 Resp: 809847  
Ion Ratio Lower Upper  
188 100  
94 6.2 5.8 8.8  
80 8.0 7.5 11.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.92 min Scan# 3247

Delta R.T. -0.01 min

Lab File: BG024643.D

Acq: 3 Nov 2016 2:26

Instrument :

BNA\_G

ClientSampleId :

TEC-COMP1

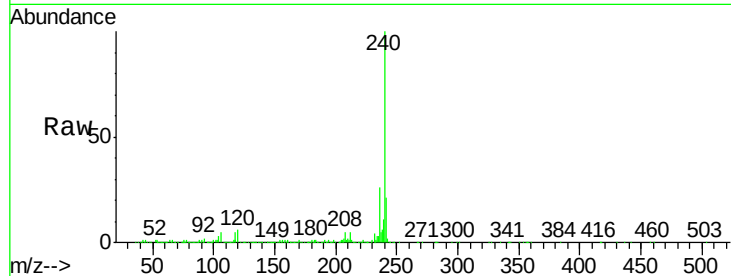
Tgt Ion:240 Resp: 1066403

Ion Ratio Lower Upper

240 100

120 5.6 5.7 8.5#

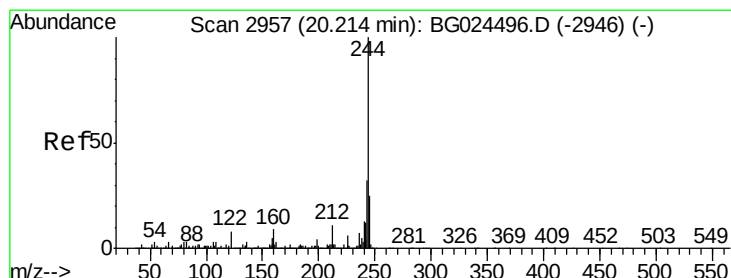
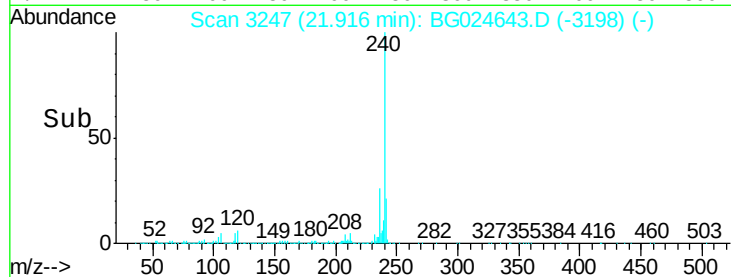
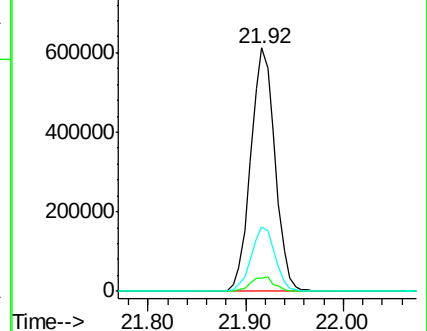
236 26.5 22.2 33.4



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: 101.67 ng

RT: 20.21 min Scan# 2956

Delta R.T. -0.01 min

Lab File: BG024643.D

Acq: 3 Nov 2016 2:26

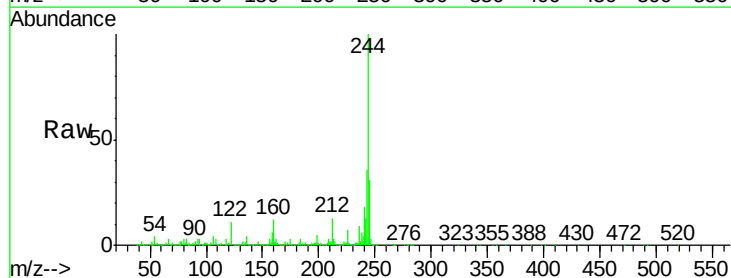
Tgt Ion:244 Resp: 3628331

Ion Ratio Lower Upper

244 100

212 13.2 10.0 15.0

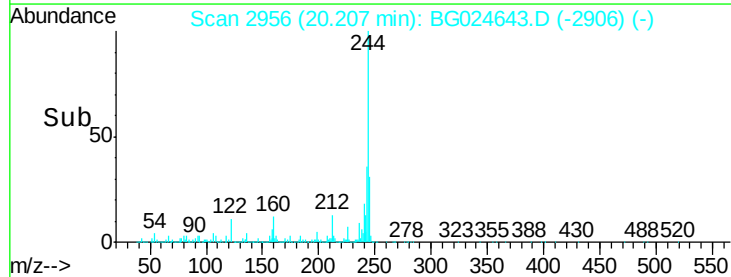
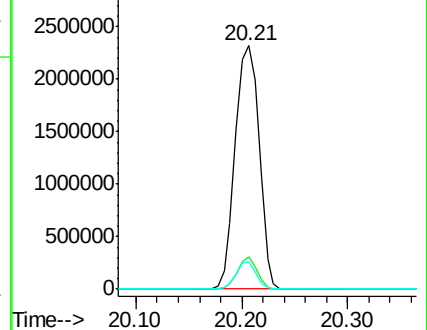
122 11.3 8.6 12.8



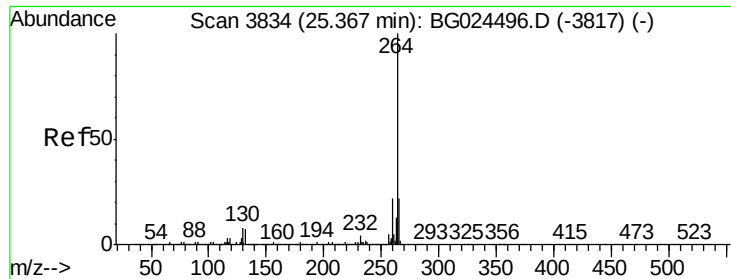
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



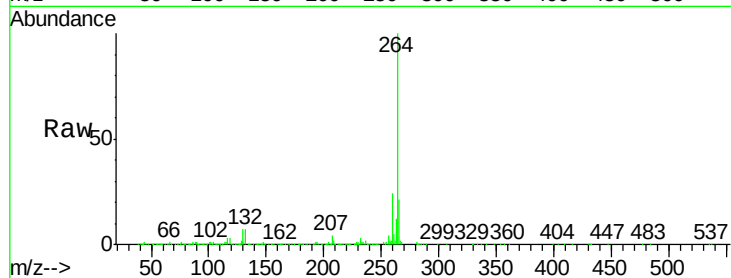




#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.34 min Scan# 3830  
 Delta R.T. -0.03 min  
 Lab File: BG024643.D  
 Acq: 3 Nov 2016 2:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TEC-COMP1

Tgt Ion:264 Resp: 1084586  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 21.8 32.8  
 265 20.7 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

