

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG110316\  
 Data File : BG024662.D  
 Acq On : 4 Nov 2016 00:58  
 Operator : UM/SJ  
 Sample : H5502-01  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-79-0.5-1.0

Quant Time: Nov 04 01:08:06 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

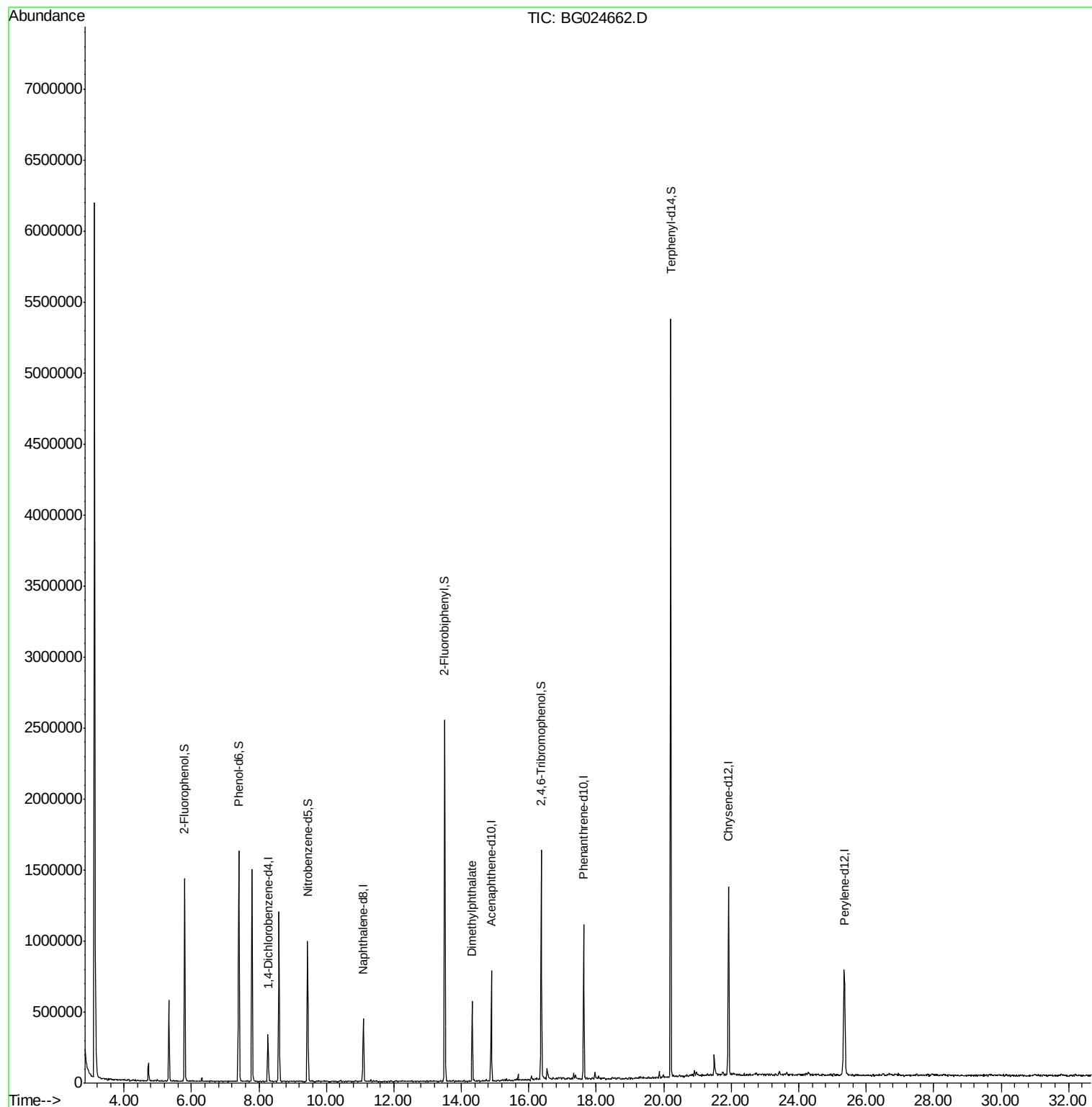
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.27  | 152  | 91325    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 11.10 | 136  | 363985   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 14.88 | 164  | 279436   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 17.62 | 188  | 665991   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 21.92 | 240  | 897515   | 20.00  | ng    | -0.01          |
| 86) Perylene-d12            | 25.35 | 264  | 934510   | 20.00  | ng    | -0.02          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.80  | 112  | 570725   | 102.43 | ng    | 0.00           |
| 7) Phenol-d6                | 7.40  | 99   | 900544   | 117.82 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.44  | 82   | 635375   | 79.48  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 16.37 | 330  | 332588   | 79.67  | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.51 | 172  | 1294344  | 76.99  | ng    | 0.00           |
| 78) Terphenyl-d14           | 20.20 | 244  | 2406040  | 80.10  | ng    | -0.01          |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 14.32 | 163  | 344184   | 17.35  | ng    | Qvalue<br># 94 |

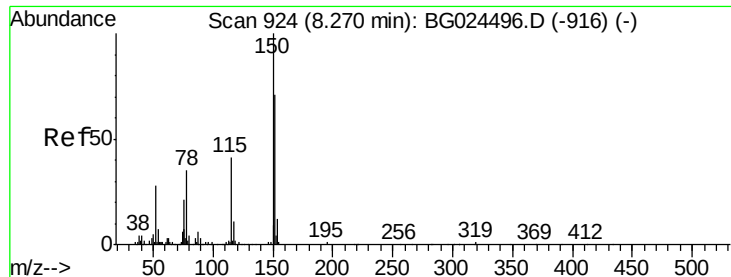
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-79-0.5-1.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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: BG024662.D

Acq: 4 Nov 2016 00:58

Instrument :

BNA\_G

ClientSampleId :

SB-79-0.5-1.0

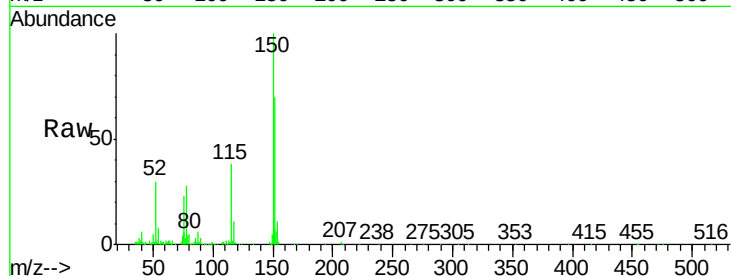
Tgt Ion:152 Resp: 91325

Ion Ratio Lower Upper

152 100

150 142.0 114.0 171.0

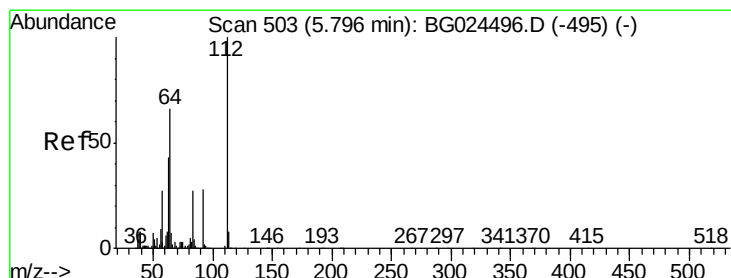
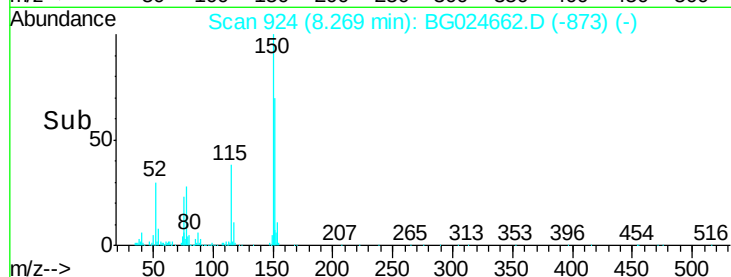
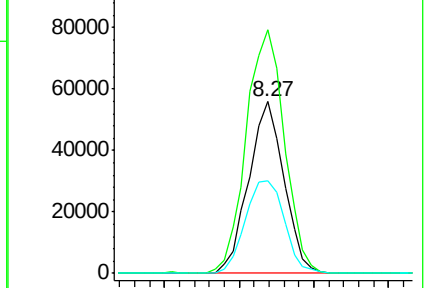
115 54.2 48.1 72.1



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: 102.43 ng

RT: 5.80 min Scan# 503

Delta R.T. -0.00 min

Lab File: BG024662.D

Acq: 4 Nov 2016 00:58

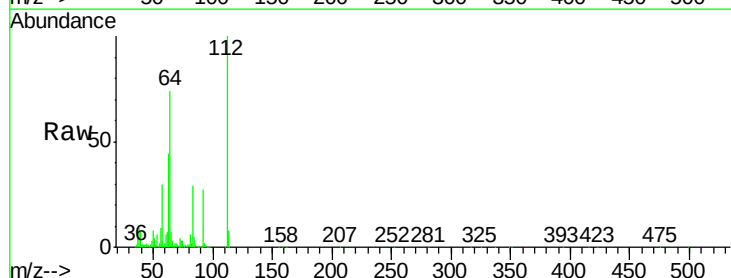
Tgt Ion:112 Resp: 570725

Ion Ratio Lower Upper

112 100

64 74.0 61.8 92.6

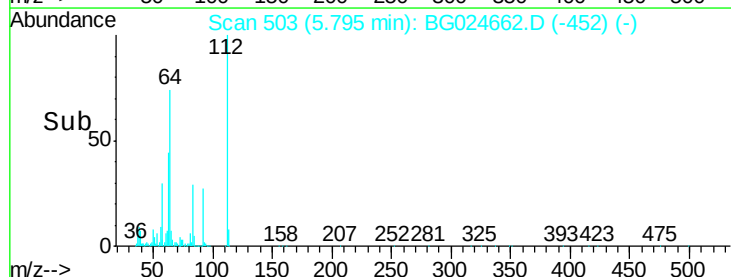
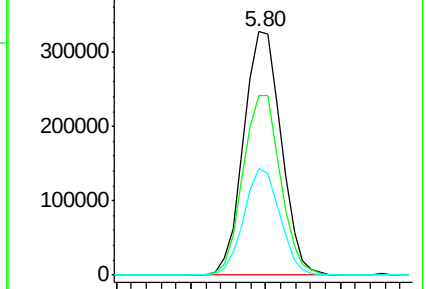
63 44.0 37.2 55.8

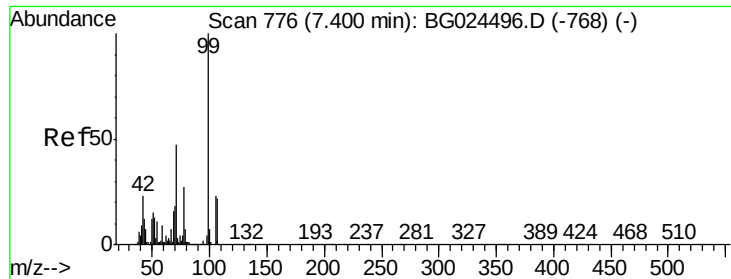


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 117.82 ng

RT: 7.40 min Scan# 776

Delta R.T. -0.00 min

Lab File: BG024662.D

Acq: 4 Nov 2016 00:58

Instrument :

BNA\_G

ClientSampleId :

SB-79-0.5-1.0

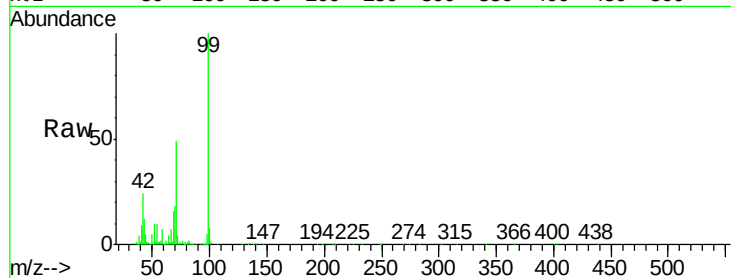
Tgt Ion: 99 Resp: 900544

Ion Ratio Lower Upper

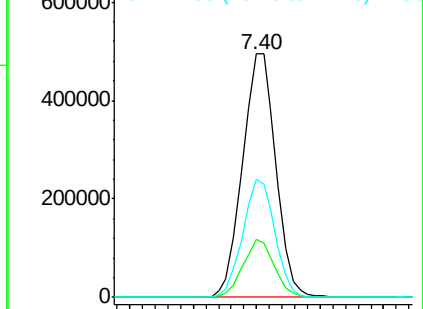
99 100

42 23.7 20.5 30.7

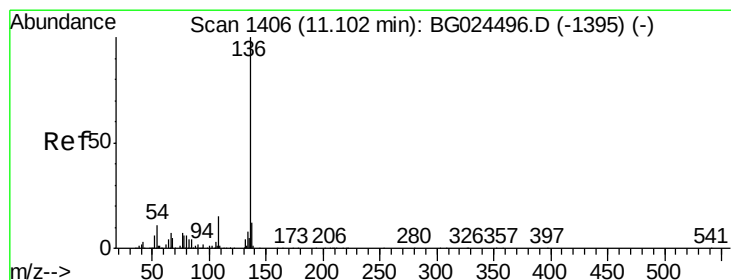
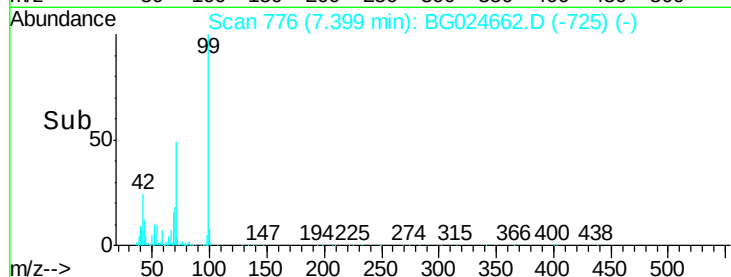
71 48.5 37.6 56.4



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



Time--> 7.30 7.35 7.40 7.45 7.50



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.10 min Scan# 1405

Delta R.T. -0.01 min

Lab File: BG024662.D

Acq: 4 Nov 2016 00:58

Tgt Ion: 136 Resp: 363985

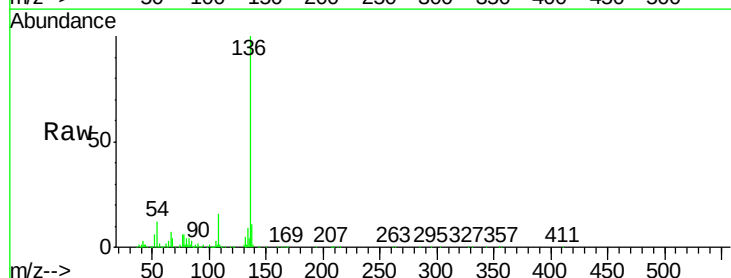
Ion Ratio Lower Upper

136 100

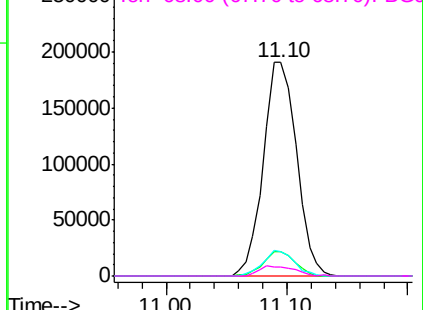
137 11.4 8.9 13.3

54 11.7 9.3 13.9

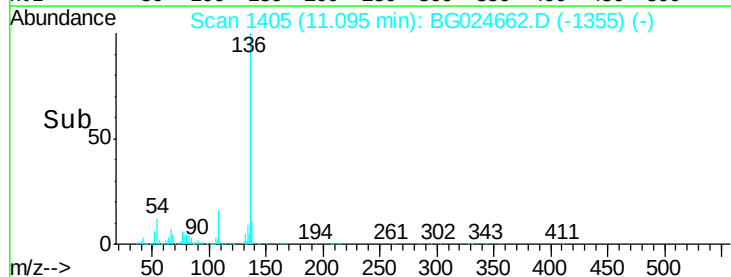
68 4.5 5.1 7.7#

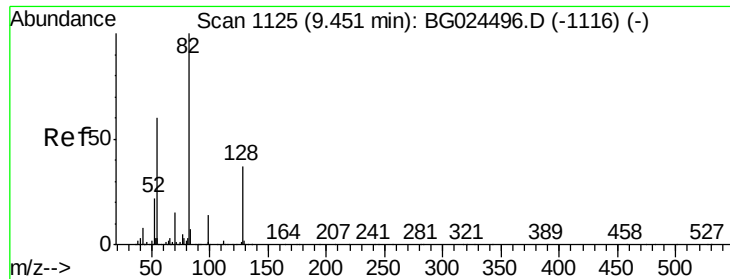


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC



Time--> 11.00 11.10

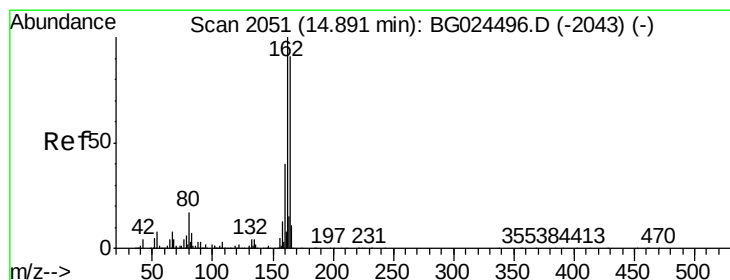
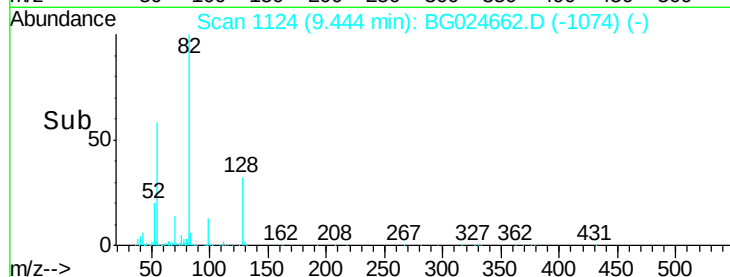
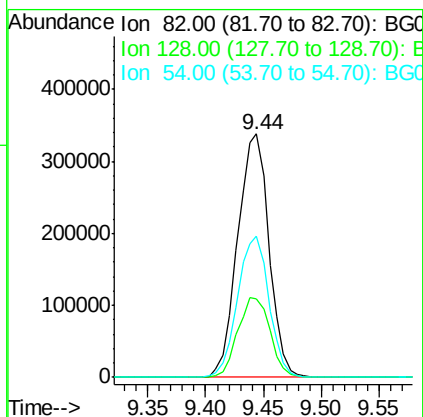
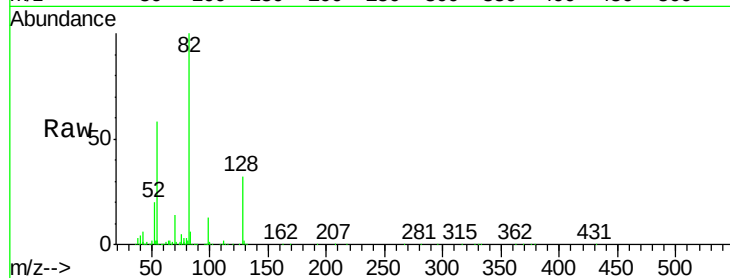




#23  
 Nitrobenzene-d5  
 Concen: 79.48 ng  
 RT: 9.44 min Scan# 1124  
 Delta R.T. -0.01 min  
 Lab File: BG024662.D  
 Acq: 4 Nov 2016 00:58

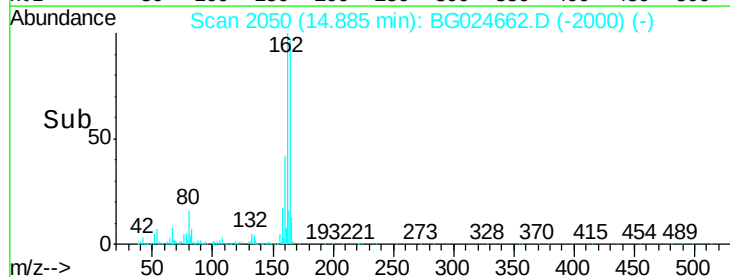
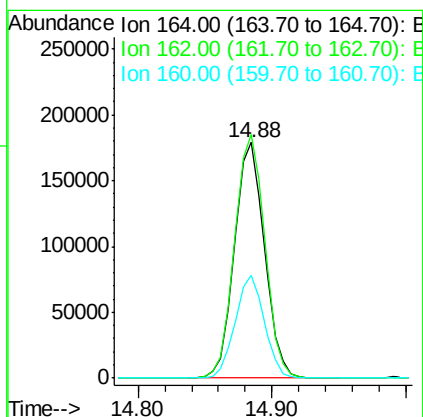
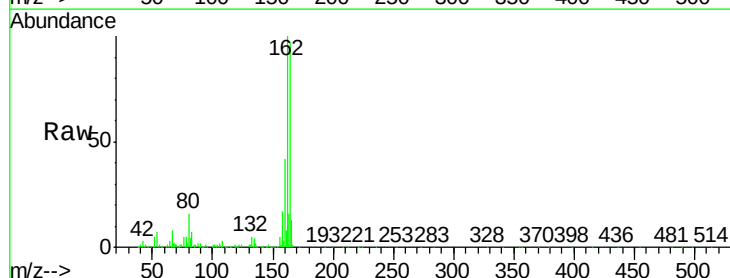
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-79-0.5-1.0

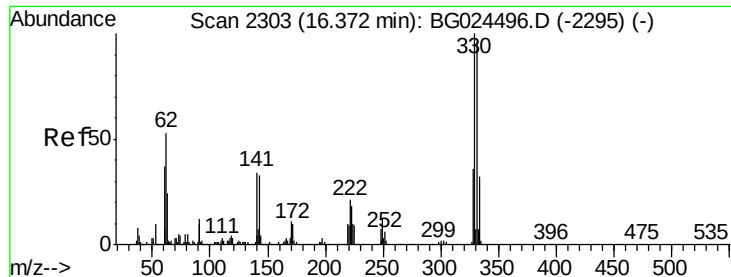
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 32.1  | 26.4  | 39.6  |
| 54      | 57.8  | 49.4  | 74.2  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.88 min Scan# 2050  
 Delta R.T. -0.01 min  
 Lab File: BG024662.D  
 Acq: 4 Nov 2016 00:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.4 | 85.1  | 127.7 |
| 160     | 43.5  | 34.7  | 52.1  |

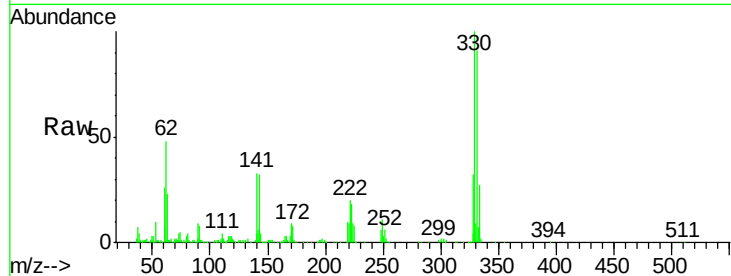




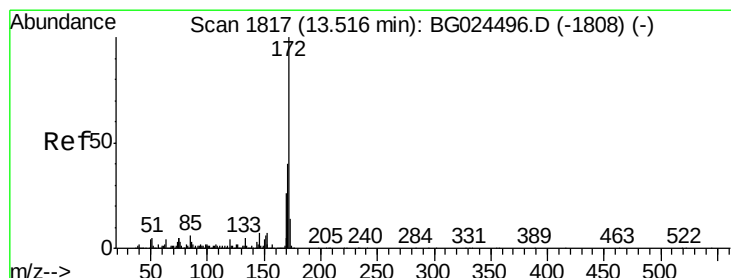
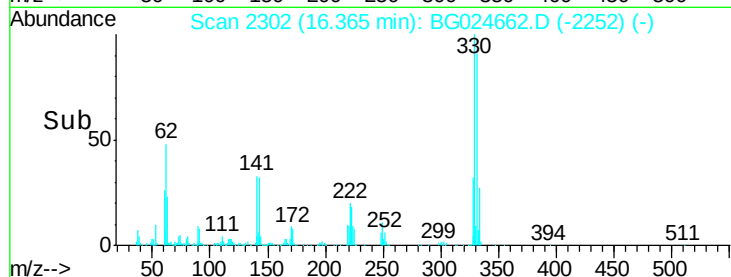
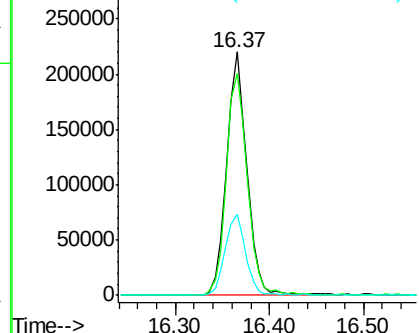
#41  
 2,4,6-Tribromophenol  
 Concen: 79.67 ng  
 RT: 16.37 min Scan# 2302  
 Delta R.T. -0.01 min  
 Lab File: BG024662.D  
 Acq: 4 Nov 2016 00:58

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-79-0.5-1.0

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.6  | 77.3  | 115.9 |
| 141     | 33.8  | 32.1  | 48.1  |

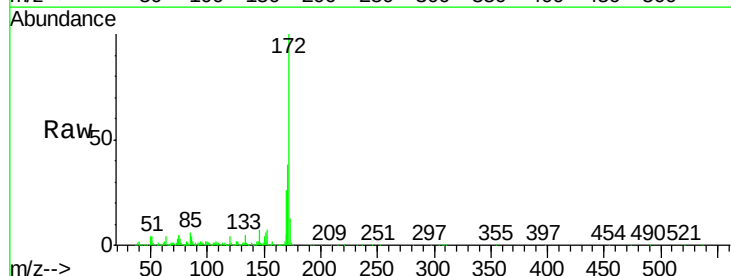


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

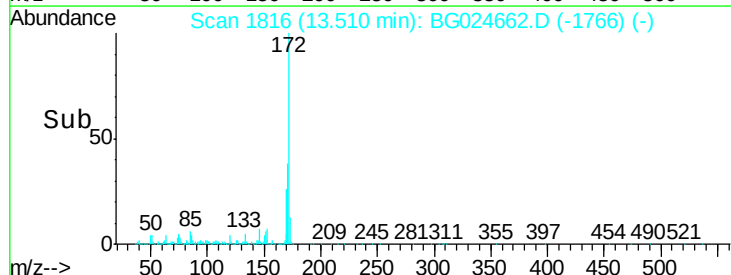
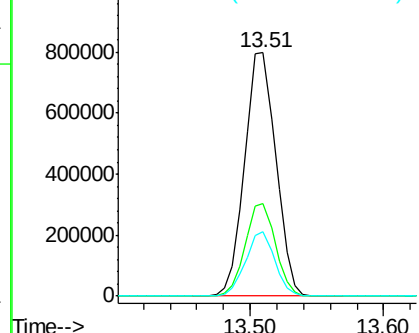


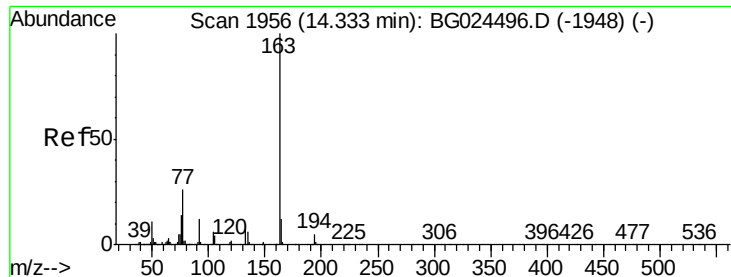
#44  
 2-Fluorobiphenyl  
 Concen: 76.99 ng  
 RT: 13.51 min Scan# 1816  
 Delta R.T. -0.01 min  
 Lab File: BG024662.D  
 Acq: 4 Nov 2016 00:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.1  | 32.2  | 48.2  |
| 170     | 26.3  | 21.8  | 32.6  |



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





#49

Dimethylphthalate

Concen: 17.35 ng

RT: 14.32 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BG024662.D

Acq: 4 Nov 2016 00:58

Instrument :

BNA\_G

ClientSampleId :

SB-79-0.5-1.0

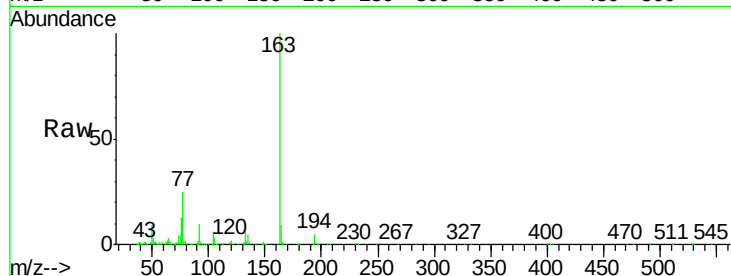
Tgt Ion:163 Resp: 344184

Ion Ratio Lower Upper

163 100

194 4.9 3.8 5.6

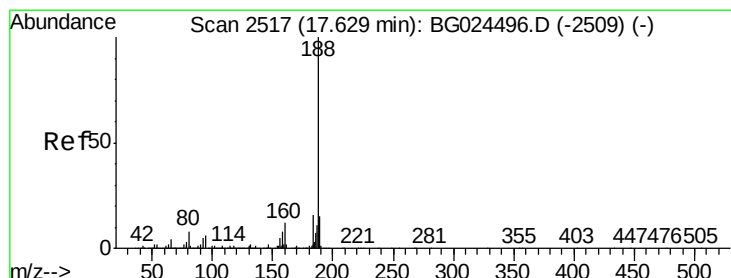
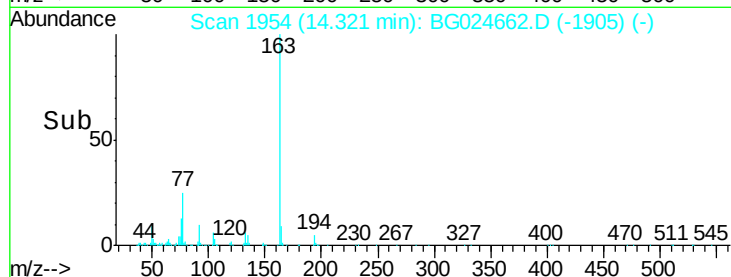
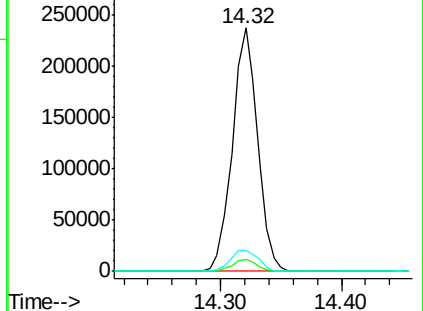
164 8.7 9.3 13.9#



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: 17.62 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BG024662.D

Acq: 4 Nov 2016 00:58

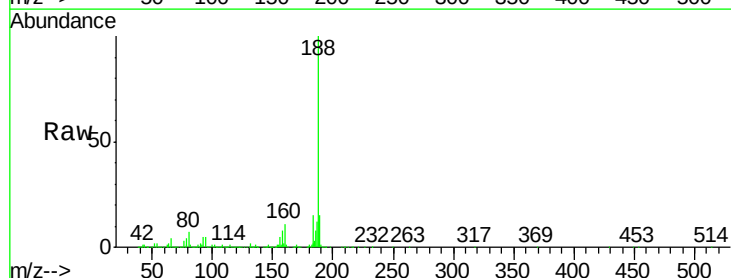
Tgt Ion:188 Resp: 665991

Ion Ratio Lower Upper

188 100

94 5.3 5.8 8.8#

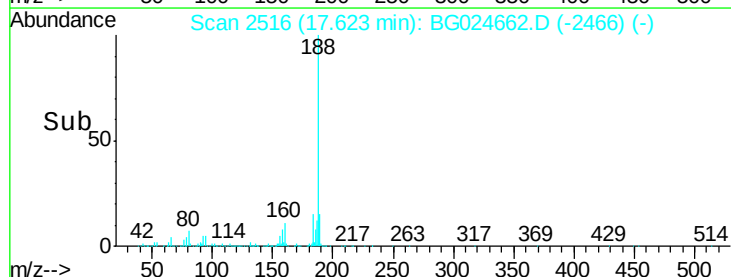
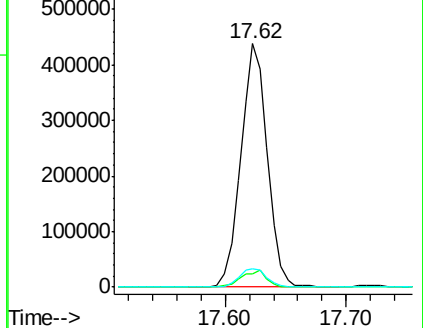
80 7.5 7.5 11.3#

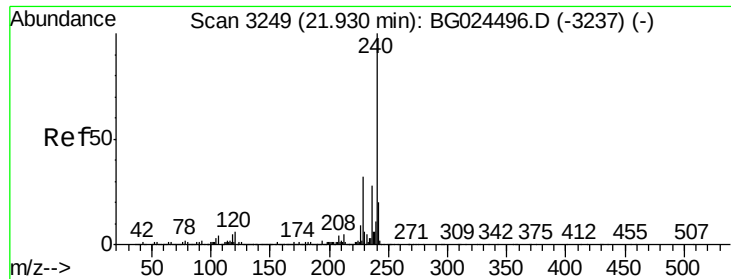


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.92 min Scan# 3247

Delta R.T. -0.01 min

Lab File: BG024662.D

Acq: 4 Nov 2016 00:58

Instrument :

BNA\_G

ClientSampleId :

SB-79-0.5-1.0

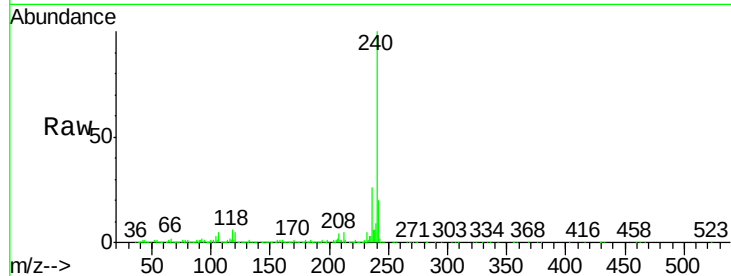
Tgt Ion:240 Resp: 897515

Ion Ratio Lower Upper

240 100

120 5.4 5.7 8.5#

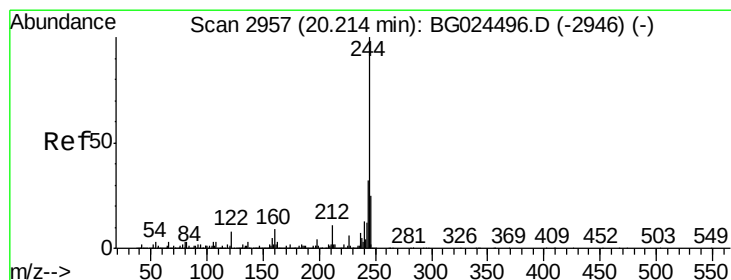
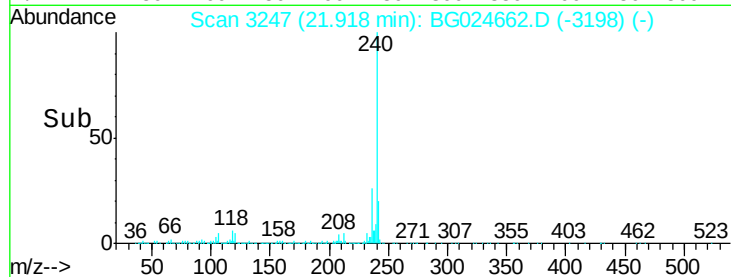
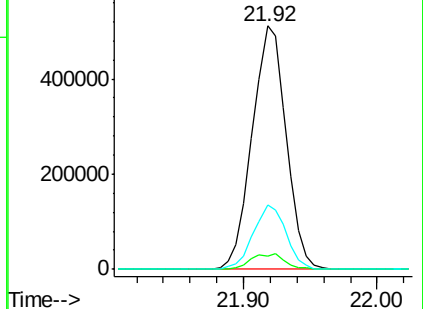
236 26.4 22.2 33.4



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: 80.10 ng

RT: 20.20 min Scan# 2955

Delta R.T. -0.01 min

Lab File: BG024662.D

Acq: 4 Nov 2016 00:58

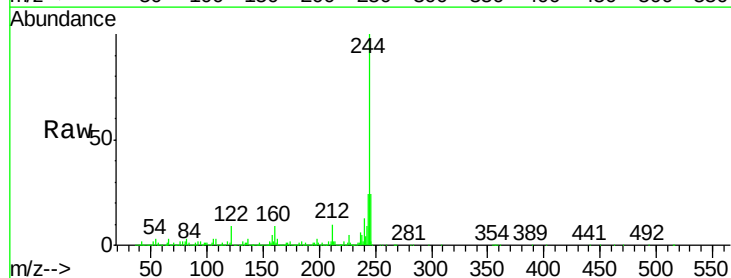
Tgt Ion:244 Resp: 2406040

Ion Ratio Lower Upper

244 100

212 10.4 10.0 15.0

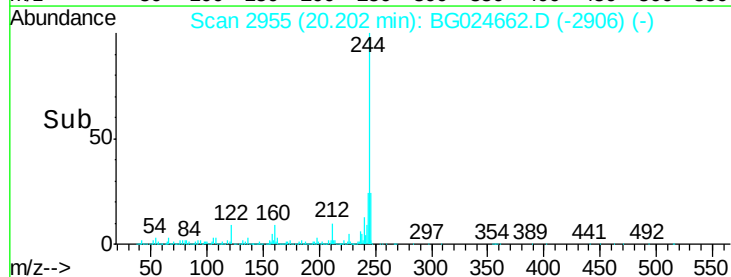
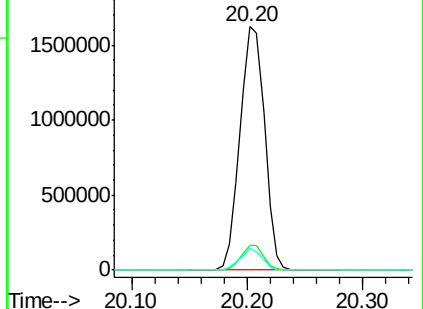
122 9.2 8.6 12.8



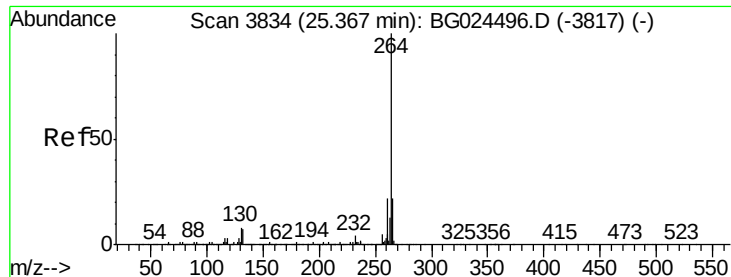
Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.35 min Scan# 3831  
Delta R.T. -0.02 min  
Lab File: BG024662.D  
Acq: 4 Nov 2016 00:58

Instrument :  
BNA\_G  
ClientSampleId :  
SB-79-0.5-1.0

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 934510 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 25.0  | 21.8  | 32.8   |
| 265      | 20.6  | 18.2  | 27.4   |

