

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\  
 Data File : BF097652.D  
 Acq On : 13 Aug 2017 00:46  
 Operator : SJ/JU  
 Sample : I4703-02  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-G9-NSW

Quant Time: Aug 14 07:19:59 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 11 15:55:57 2017  
 Response via : Initial Calibration

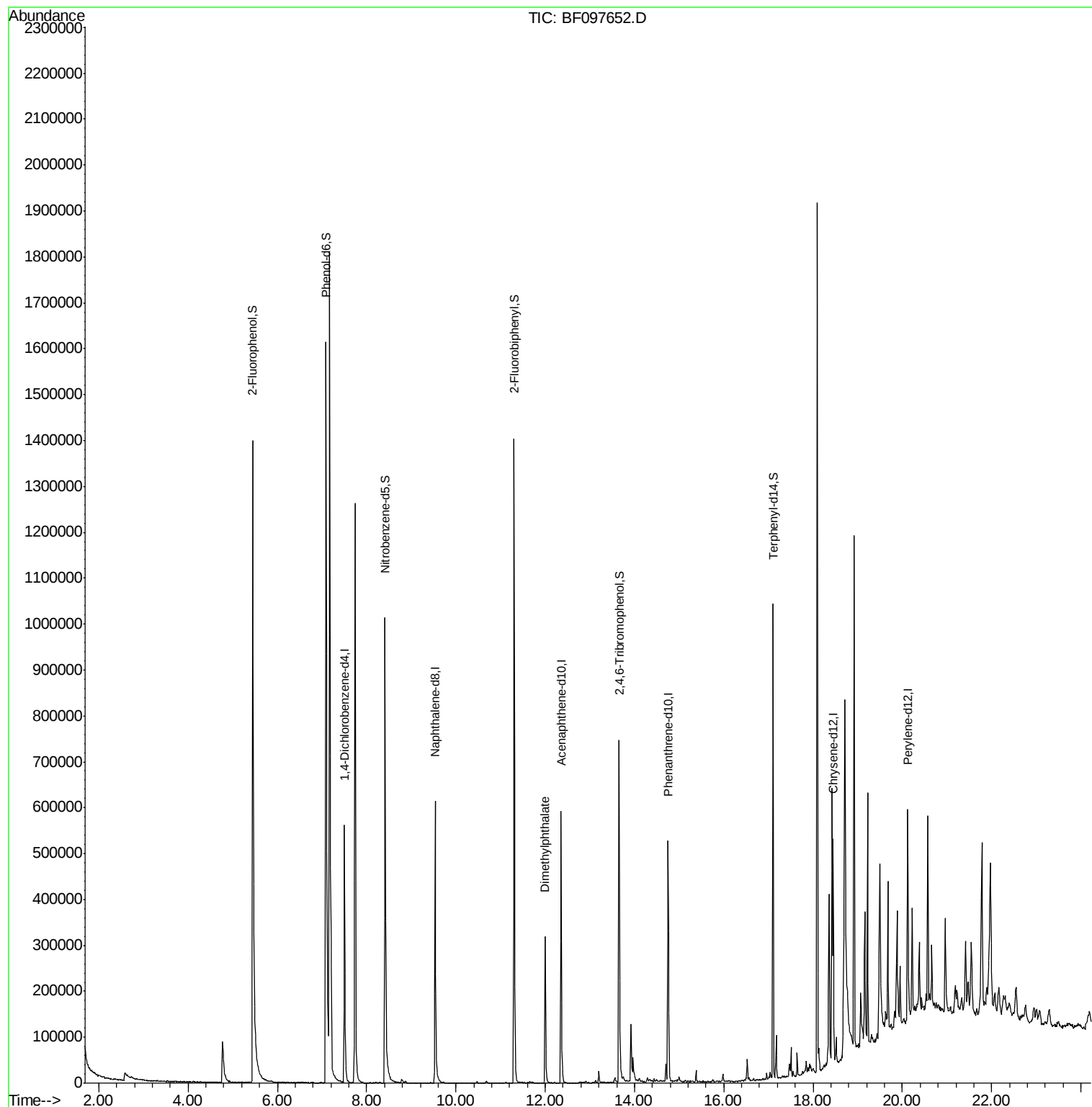
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.50  | 152  | 123480   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 9.53  | 136  | 433134   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 12.36 | 164  | 169535   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 14.75 | 188  | 274824   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 18.45 | 240  | 198127   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 20.12 | 264  | 182129   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.45  | 112  | 775216   | 99.79  | ng    | 0.05     |
| 7) Phenol-d6                | 7.09  | 99   | 935232   | 97.05  | ng    | 0.04     |
| 23) Nitrobenzene-d5         | 8.42  | 82   | 477596   | 69.14  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 13.66 | 330  | 116822   | 90.65  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 11.30 | 172  | 632742   | 56.33  | ng    | -0.02    |
| 78) Terphenyl-d14           | 17.10 | 244  | 364600   | 38.09  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 12.00 | 163  | 192470   | 14.731 | ng    | 98       |

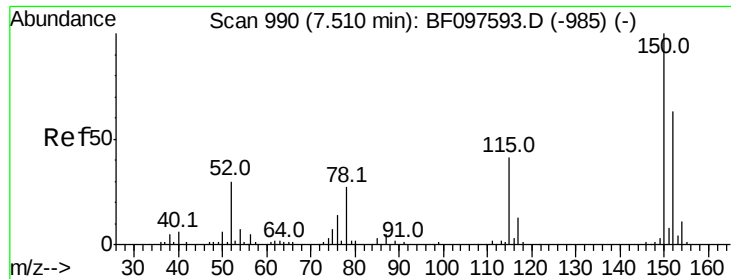
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\  
Data File : BF097652.D  
Acq On : 13 Aug 2017 00:46  
Operator : SJ/JU  
Sample : I4703-02  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
E2-G9-NSW

Quant Time: Aug 14 07:19:59 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 11 15:55:57 2017  
Response via : Initial Calibration



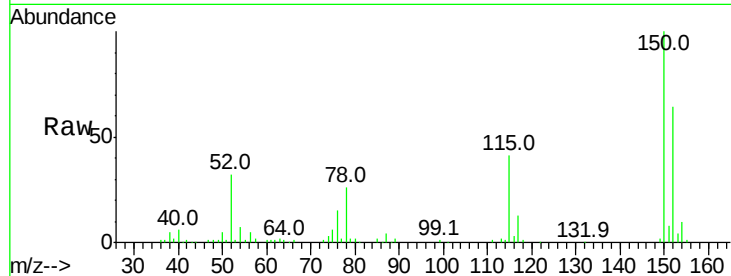


#1

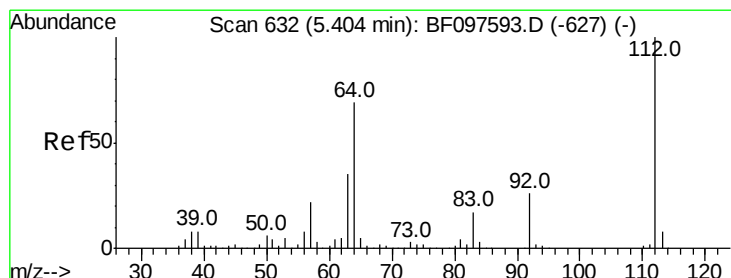
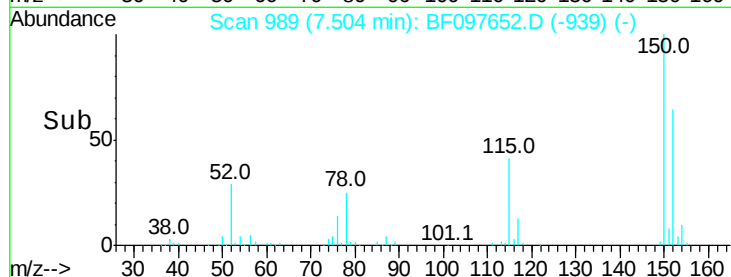
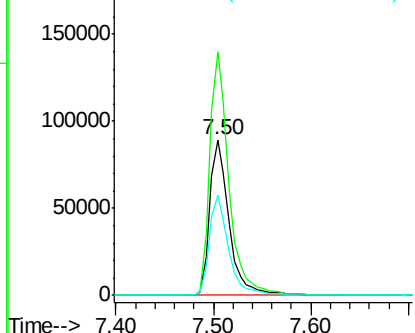
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.50 min Scan# 989  
Delta R.T. -0.01 min  
Lab File: BF097652.D  
Acq: 13 Aug 2017 00:46

Instrument :  
BNA\_F  
ClientSampleId :  
E2-G9-NSW

Tot Ion:152 Resp: 123480  
Ion Ratio Lower Upper  
152 100  
150 156.2 126.2 189.2  
115 64.4 52.2 78.2



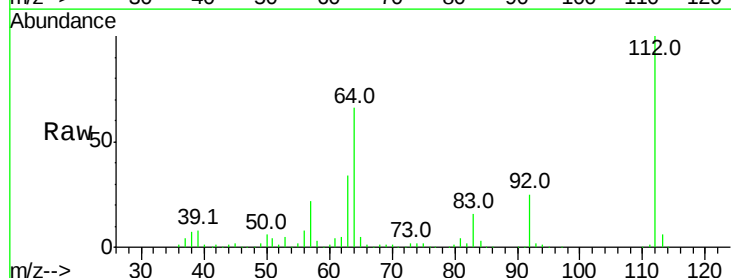
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



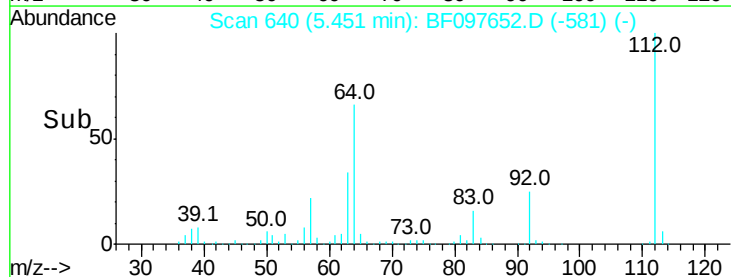
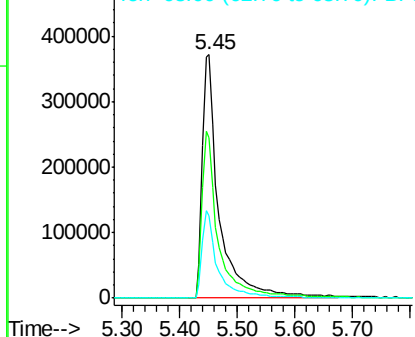
#5

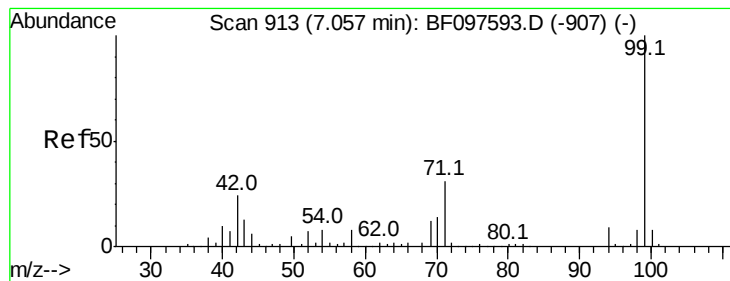
2-Fluorophenol  
Concen: 99.790 ng  
RT: 5.45 min Scan# 640  
Delta R.T. 0.05 min  
Lab File: BF097652.D  
Acq: 13 Aug 2017 00:46

Tgt Ion:112 Resp: 775216  
Ion Ratio Lower Upper  
112 100  
64 66.1 46.0 69.0  
63 33.9 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.047 ng

RT: 7.09 min Scan# 919

Delta R.T. 0.04 min

Lab File: BF097652.D

Acq: 13 Aug 2017 00:46

Instrument :

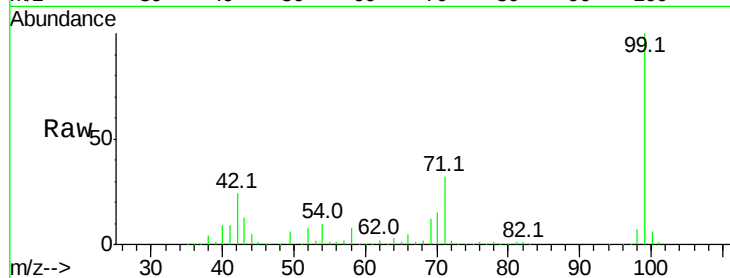
BNA\_F

ClientSampleId :

E2-G9-NSW

Tot Ion: 99 Resp: 935232

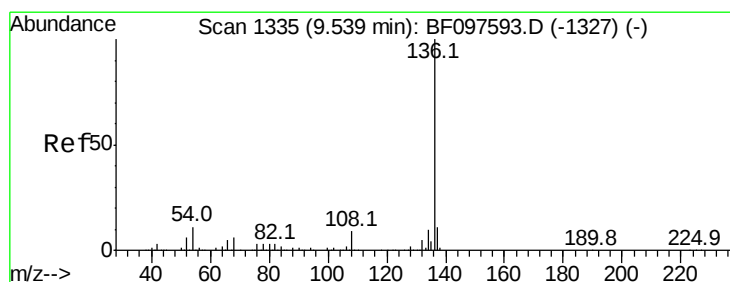
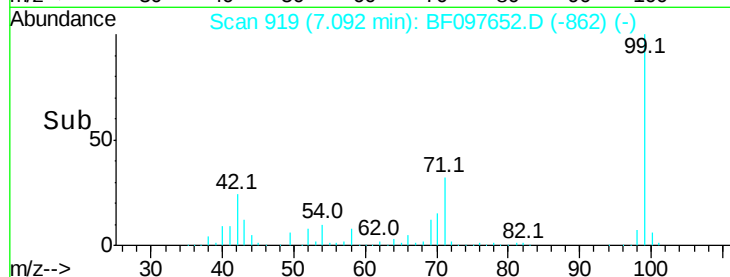
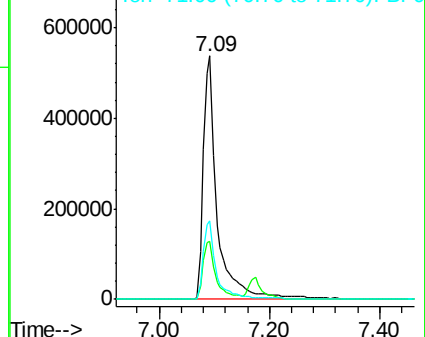
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 23.7  | 13.5  | 20.3# |
| 71  | 32.4  | 24.5  | 36.7  |



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 9.53 min Scan# 1334

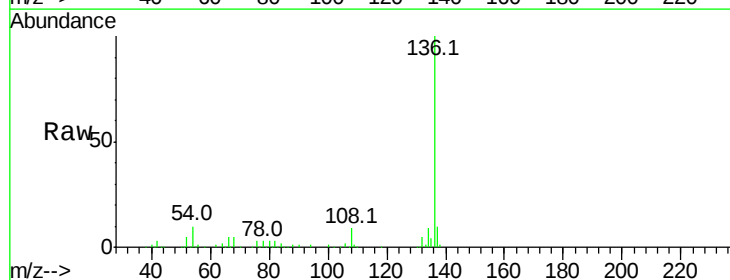
Delta R.T. -0.01 min

Lab File: BF097652.D

Acq: 13 Aug 2017 00:46

Tgt Ion: 136 Resp: 433134

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.5  | 8.5   | 12.7  |
| 54  | 10.4  | 4.9   | 7.3#  |
| 68  | 5.3   | 4.1   | 6.1   |

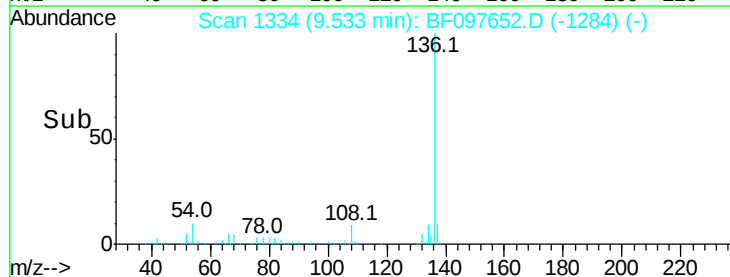
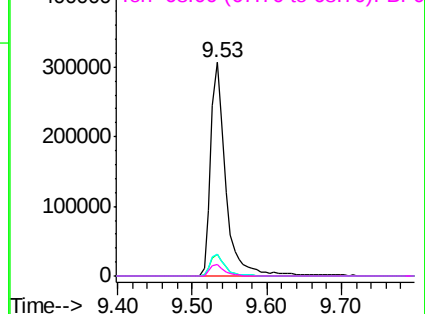


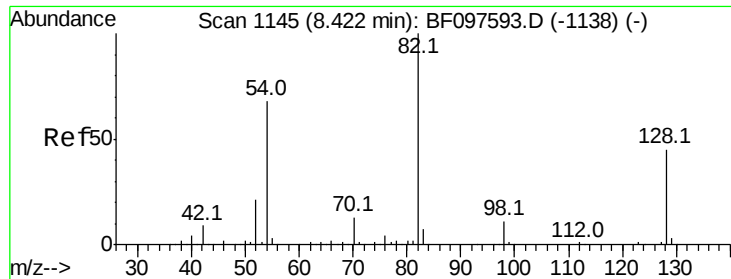
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 69.141 ng

RT: 8.42 min Scan# 1144

Delta R.T. -0.01 min

Lab File: BF097652.D

Acq: 13 Aug 2017 00:46

Instrument :

BNA\_F

ClientSampleId :

E2-G9-NSW

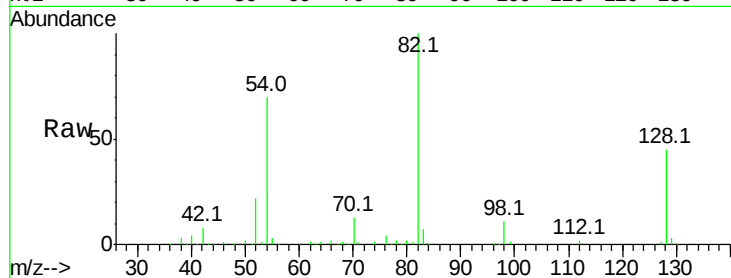
Tot Ion: 82 Resp: 477596

Ion Ratio Lower Upper

82 100

128 44.8 34.0 51.0

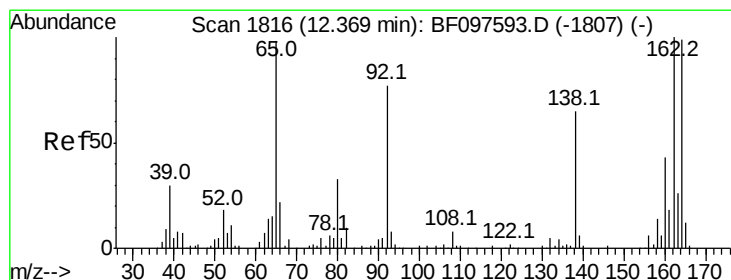
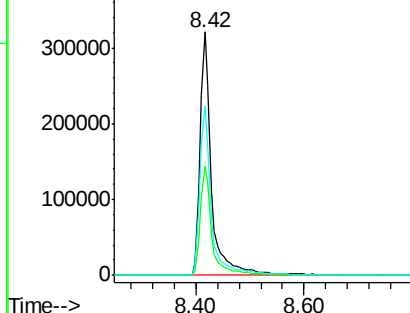
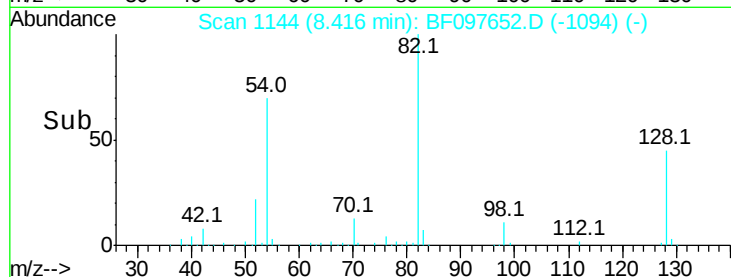
54 69.7 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 12.36 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF097652.D

Acq: 13 Aug 2017 00:46

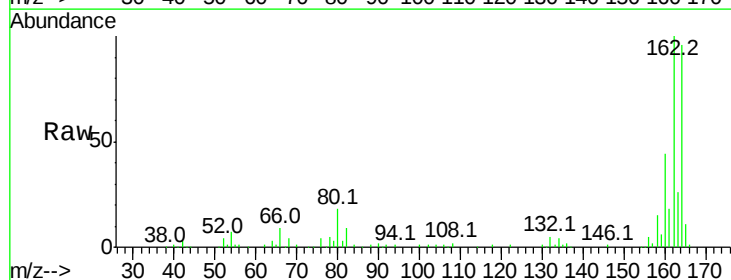
Tgt Ion: 164 Resp: 169535

Ion Ratio Lower Upper

164 100

162 103.8 82.6 123.8

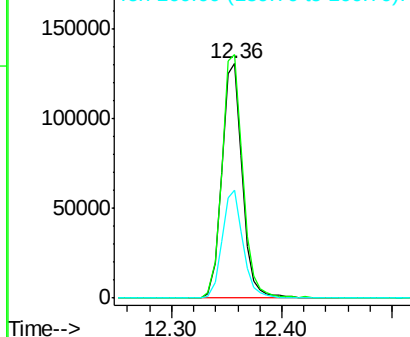
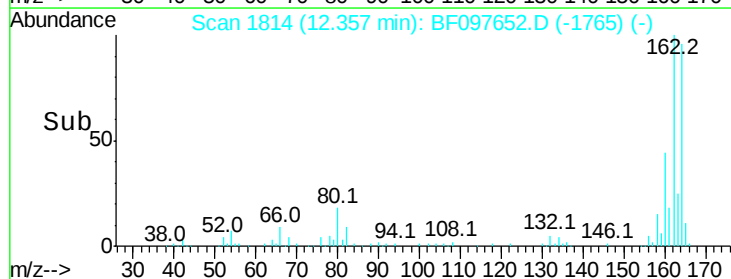
160 46.0 36.2 54.2

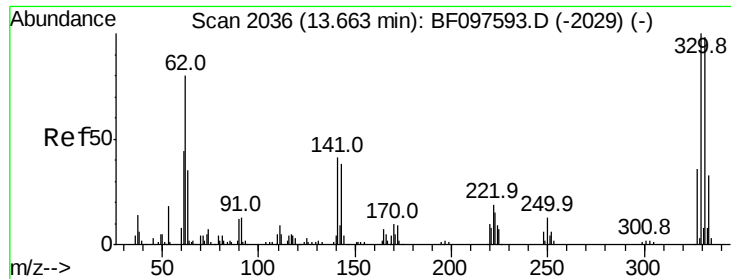


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

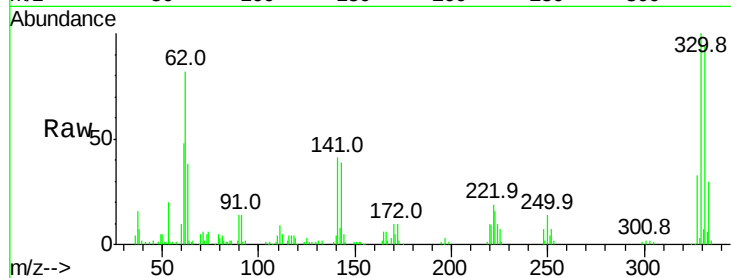




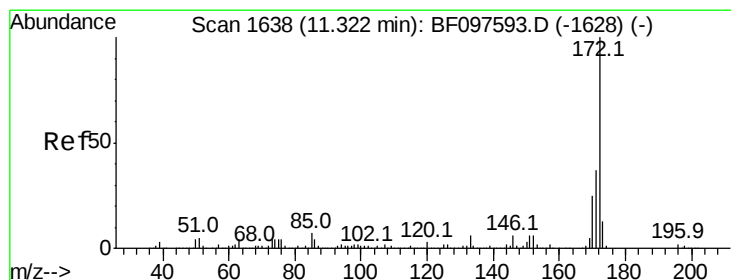
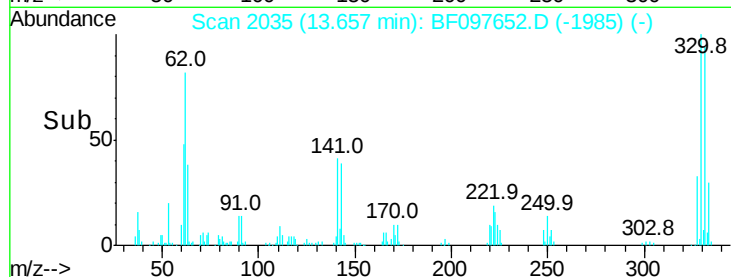
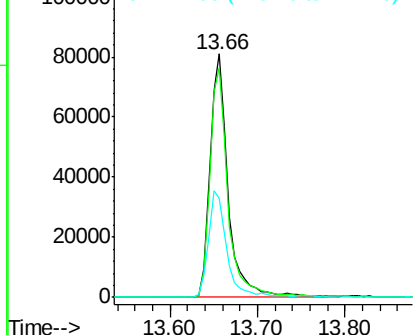
#41  
 2,4,6-Tribromophenol  
 Concen: 90.646 ng  
 RT: 13.66 min Scan# 2035  
 Delta R.T. -0.01 min  
 Lab File: BF097652.D  
 Acq: 13 Aug 2017 00:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-G9-NSW

Tot Ion:330 Resp: 116822  
 Ion Ratio Lower Upper  
 330 100  
 332 94.1 76.6 115.0  
 141 44.3 31.4 47.2

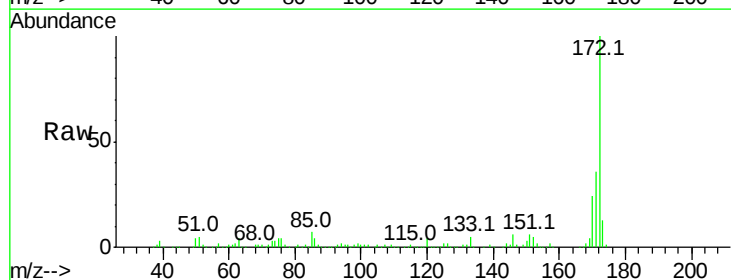


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

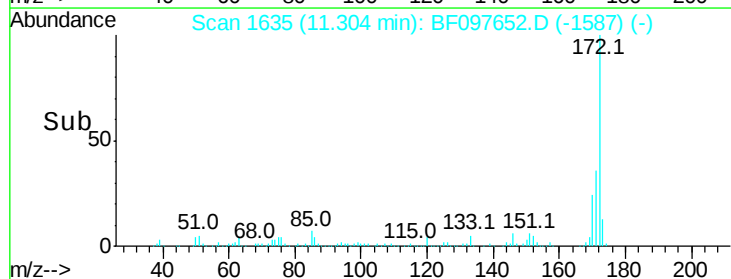
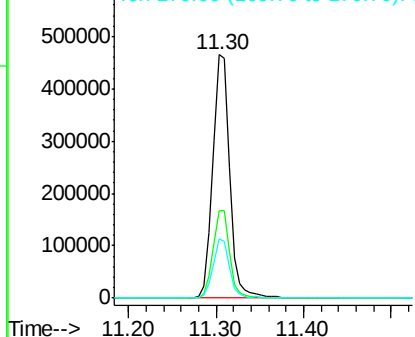


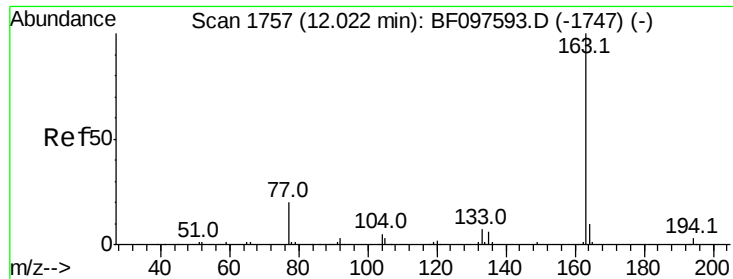
#44  
 2-Fluorobiphenyl  
 Concen: 56.326 ng  
 RT: 11.30 min Scan# 1635  
 Delta R.T. -0.02 min  
 Lab File: BF097652.D  
 Acq: 13 Aug 2017 00:46

Tgt Ion:172 Resp: 632742  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.6 44.4  
 170 24.4 19.8 29.8



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: 14.731 ng

RT: 12.00 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BF097652.D

Acq: 13 Aug 2017 00:46

Instrument :

BNA\_F

ClientSampleId :

E2-G9-NSW

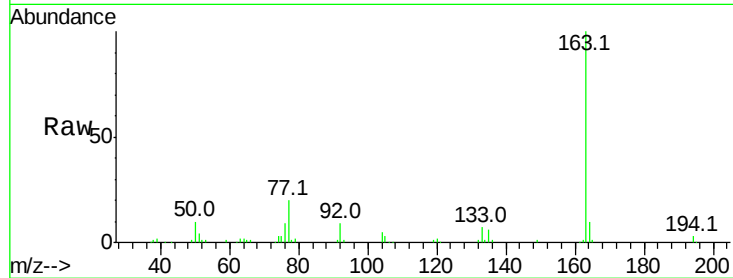
Tot Ion:163 Resp: 192470

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

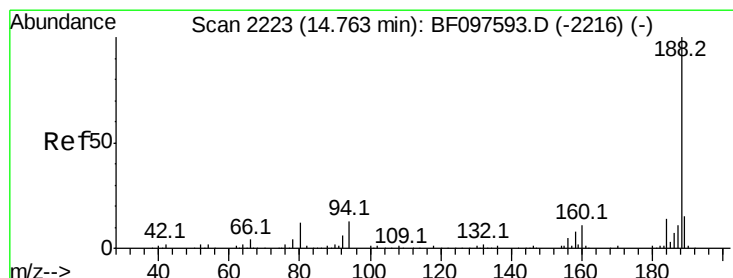
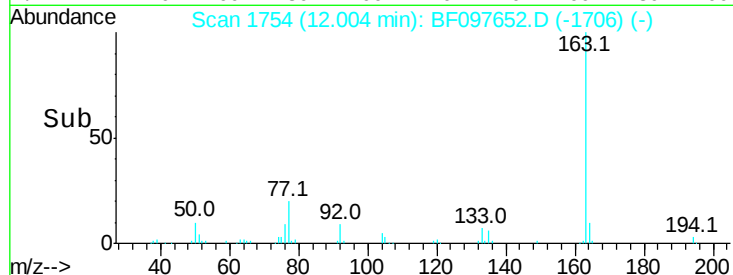
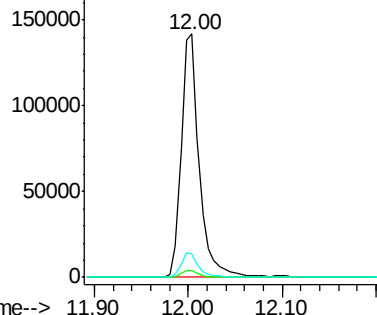
164 9.8 8.4 12.6



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: 20.000 ng

RT: 14.75 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BF097652.D

Acq: 13 Aug 2017 00:46

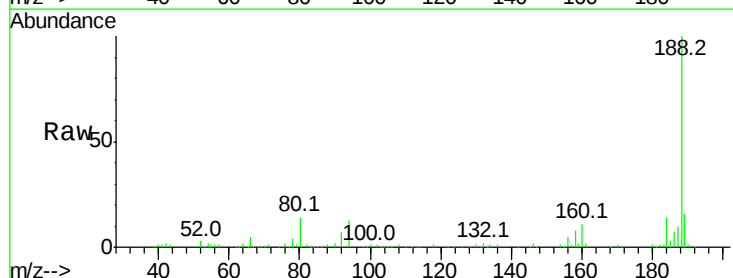
Tgt Ion:188 Resp: 274824

Ion Ratio Lower Upper

188 100

94 13.2 9.4 14.2

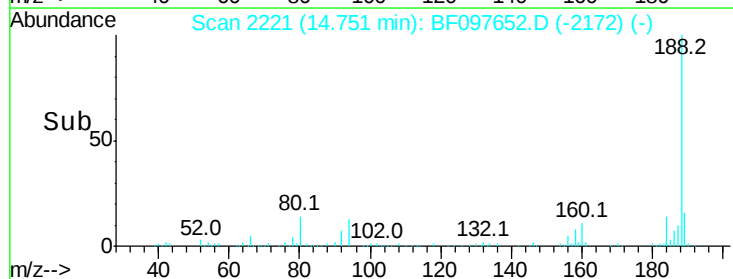
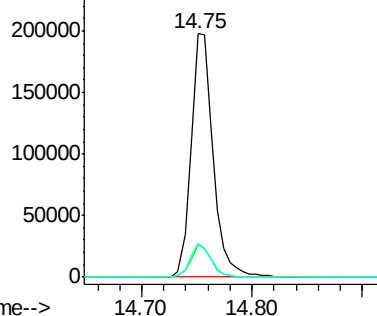
80 13.8 10.2 15.2

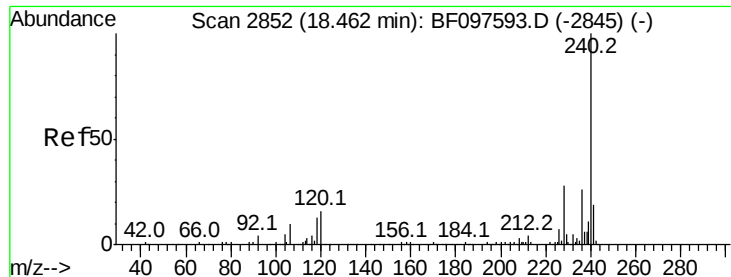


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.000 ng

RT: 18.45 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BF097652.D

Acq: 13 Aug 2017 00:46

Instrument :

BNA\_F

ClientSampleId :

E2-G9-NSW

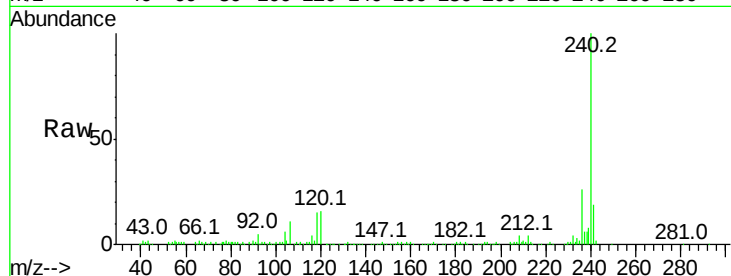
Tot Ion:240 Resp: 198127

Ion Ratio Lower Upper

240 100

120 16.2 5.8 8.8#

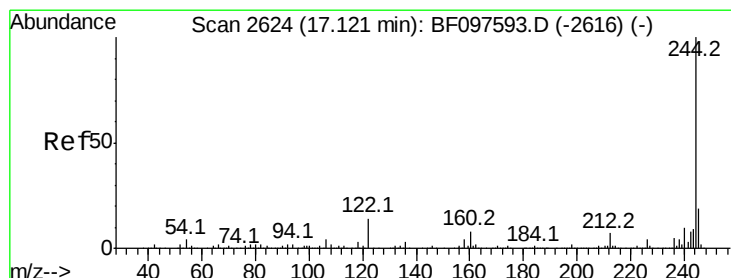
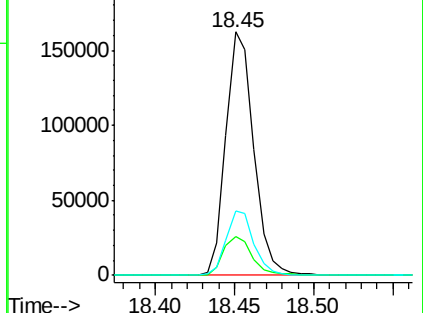
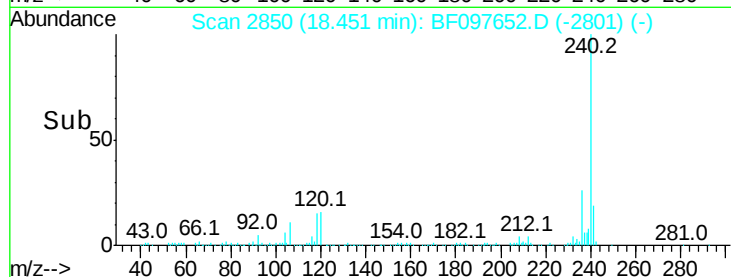
236 26.3 20.5 30.7



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: 38.087 ng

RT: 17.10 min Scan# 2621

Delta R.T. -0.02 min

Lab File: BF097652.D

Acq: 13 Aug 2017 00:46

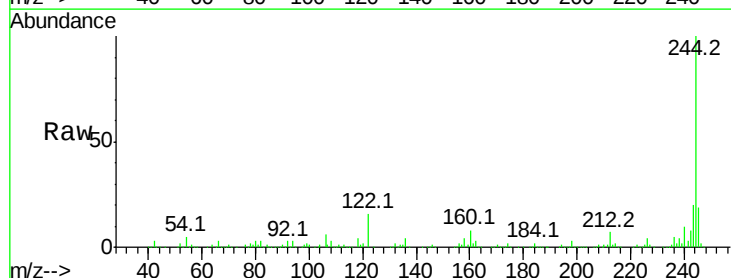
Tgt Ion:244 Resp: 364600

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

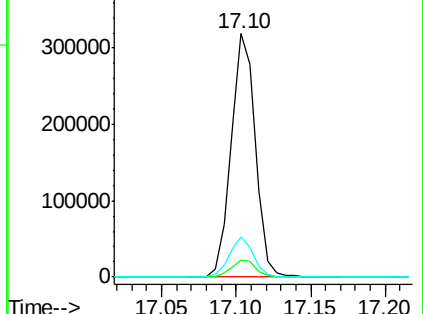
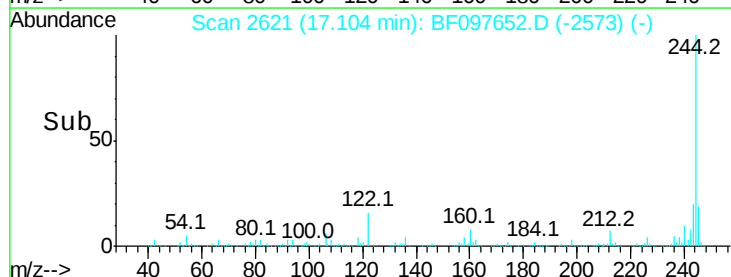
122 16.3 10.3 15.5#

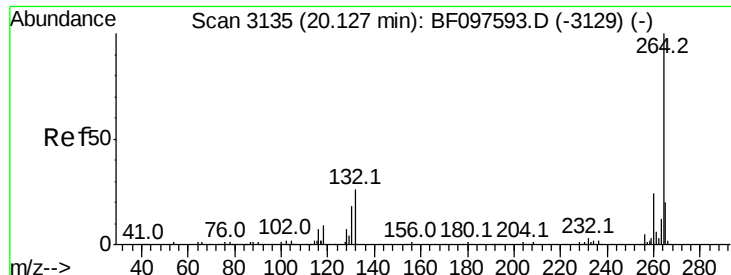


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

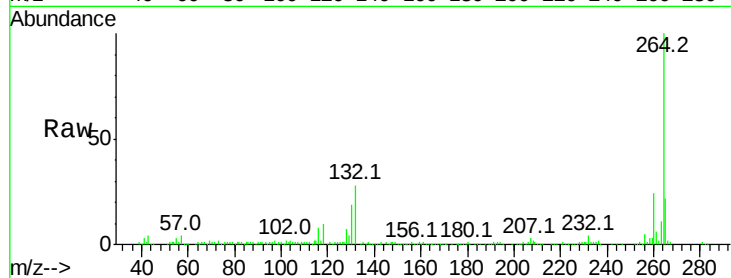




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 20.12 min Scan# 3134  
 Delta R.T. -0.01 min  
 Lab File: BF097652.D  
 Acq: 13 Aug 2017 00:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-G9-NSW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 19.5  | 29.3  |
| 265     | 21.7  | 17.2  | 25.8  |



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

