

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050617\  
 Data File : BF094965.D  
 Acq On : 8 May 2017 3:03  
 Operator : SJ/MA  
 Sample : I2947-15  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-05-4.0-4.5

Quant Time: May 08 08:34:14 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 03 17:24:51 2017  
 Response via : Initial Calibration

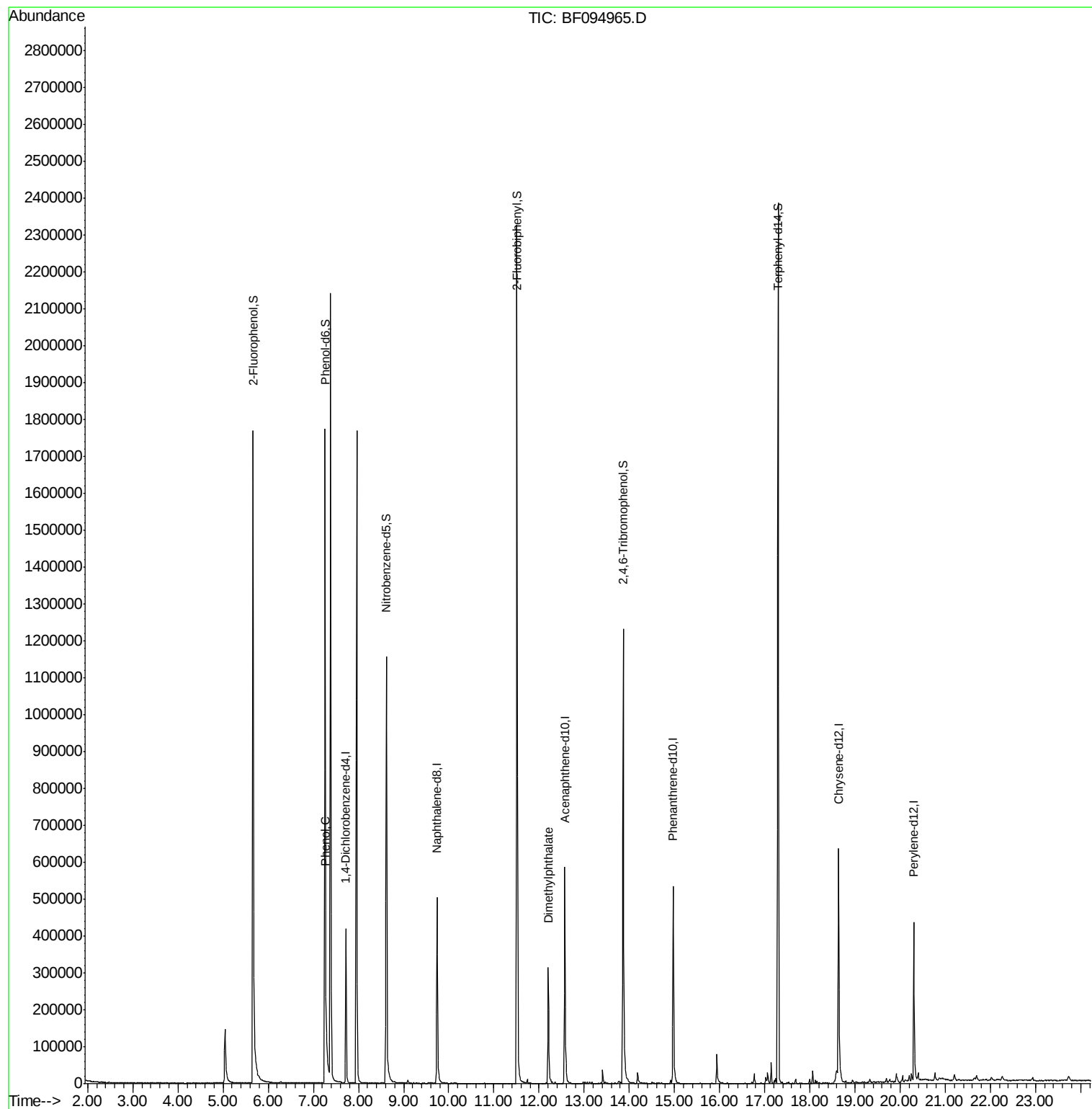
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.72  | 152  | 89203    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 9.74  | 136  | 379741   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 12.57 | 164  | 180482   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 14.97 | 188  | 314877   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 18.64 | 240  | 274812   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 20.30 | 264  | 221167   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.67  | 112  | 844752   | 157.88 | ng    | -0.01    |
| 7) Phenol-d6                | 7.26  | 99   | 1035376  | 161.28 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.62  | 82   | 576459   | 95.72  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 13.87 | 330  | 223514   | 151.22 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 11.51 | 172  | 1115598  | 88.97  | ng    | -0.02    |
| 78) Terphenyl-d14           | 17.30 | 244  | 957238   | 76.72  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.28  | 94   | 24103    | 3.56   | ng    | 93       |
| 49) Dimethylphthalate       | 12.21 | 163  | 208687   | 14.08  | ng    | 99       |

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

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SB-05-4.0-4.5

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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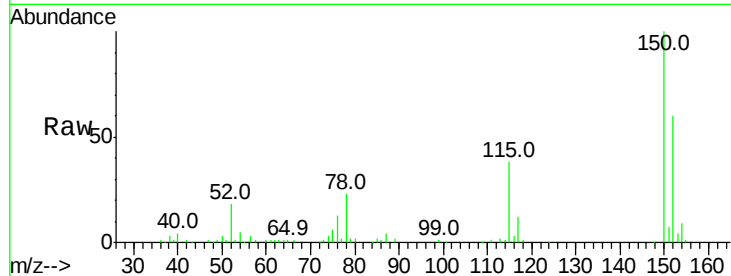


#1

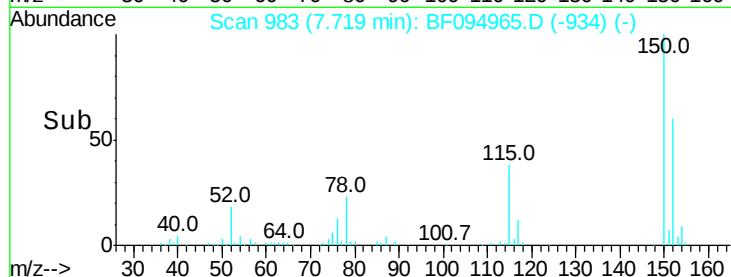
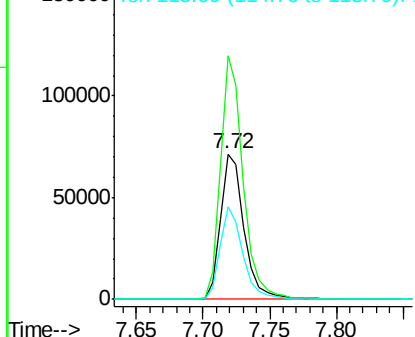
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.72 min Scan# 983  
Delta R.T. -0.01 min  
Lab File: BF094965.D  
Acq: 8 May 2017 3:03

Instrument :  
BNA\_F  
ClientSampleId :  
SB-05-4.0-4.5

Tot Ion:152 Resp: 89203  
Ion Ratio Lower Upper  
152 100  
150 167.2 126.2 189.2  
115 63.7 52.2 78.2



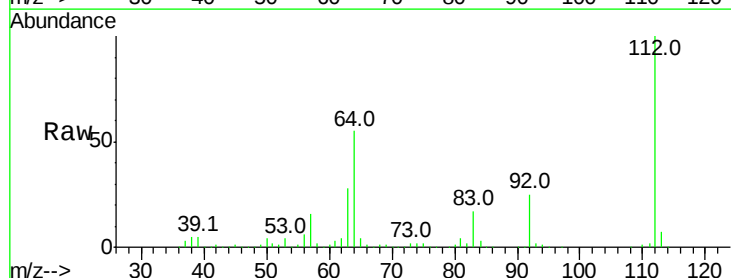
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



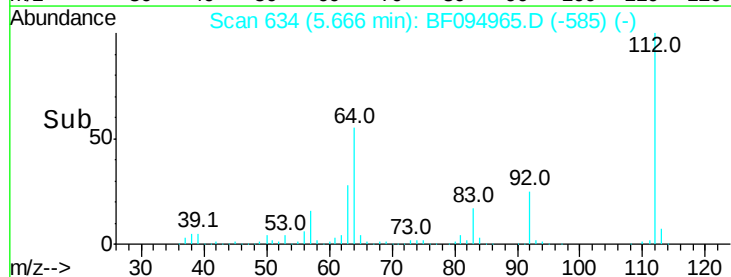
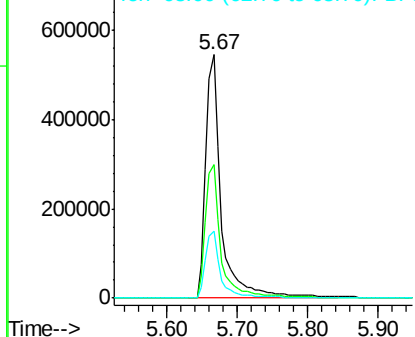
#5

2-Fluorophenol  
Concen: 157.88 ng  
RT: 5.67 min Scan# 634  
Delta R.T. -0.01 min  
Lab File: BF094965.D  
Acq: 8 May 2017 3:03

Tgt Ion:112 Resp: 844752  
Ion Ratio Lower Upper  
112 100  
64 54.8 46.0 69.0  
63 27.6 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: 161.28 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF094965.D

Acq: 8 May 2017 3:03

Instrument :

BNA\_F

ClientSampleId :

SB-05-4.0-4.5

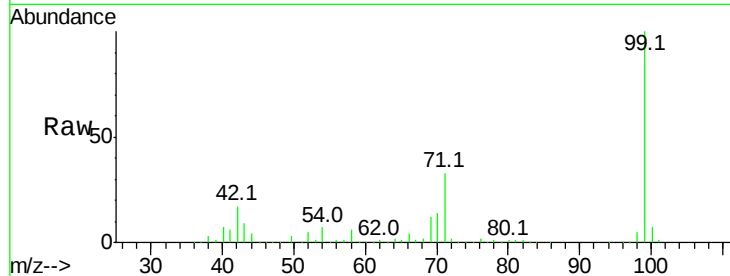
Tot Ion: 99 Resp: 1035376

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

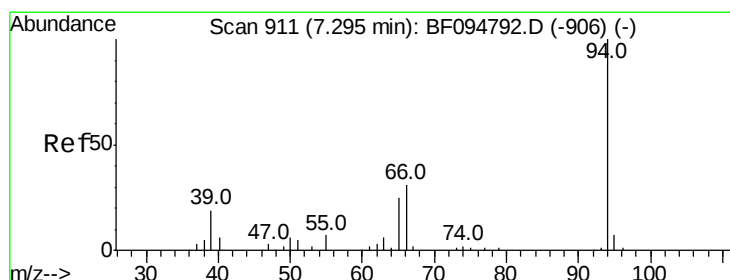
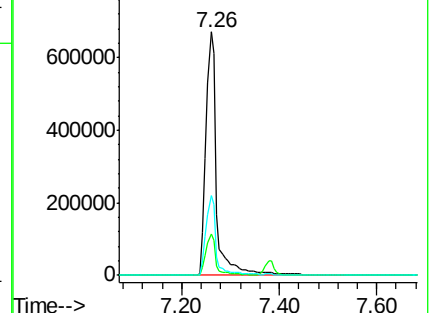
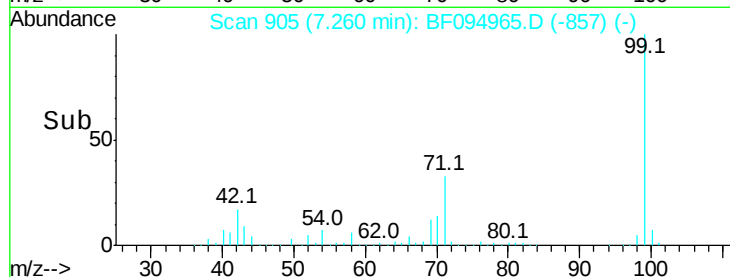
71 32.9 24.5 36.7



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



#10

Phenol

Concen: 3.56 ng

RT: 7.28 min Scan# 908

Delta R.T. -0.02 min

Lab File: BF094965.D

Acq: 8 May 2017 3:03

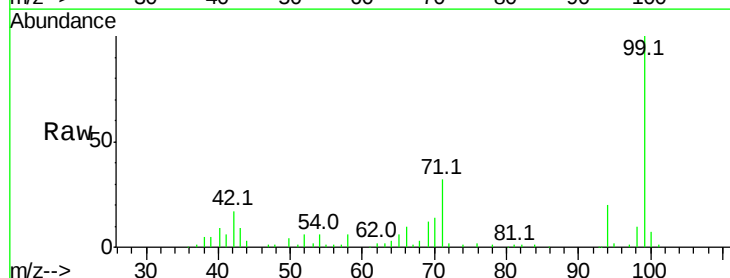
Tgt Ion: 94 Resp: 24103

Ion Ratio Lower Upper

94 100

65 29.4 9.9 49.9

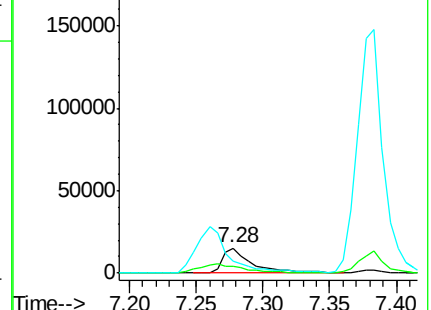
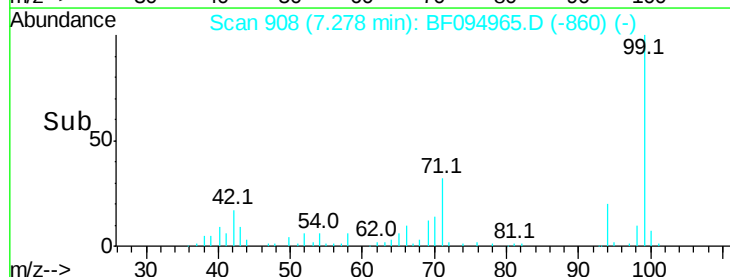
66 50.6 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.74 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF094965.D

Acq: 8 May 2017 3:03

Instrument :

BNA\_F

ClientSampleId :

SB-05-4.0-4.5

Tot Ion:136 Resp: 379741

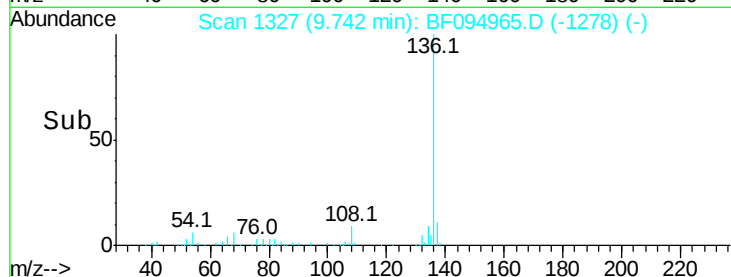
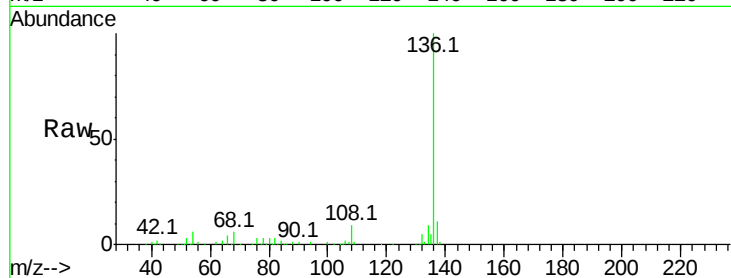
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 6.2 4.9 7.3

68 5.5 4.1 6.1

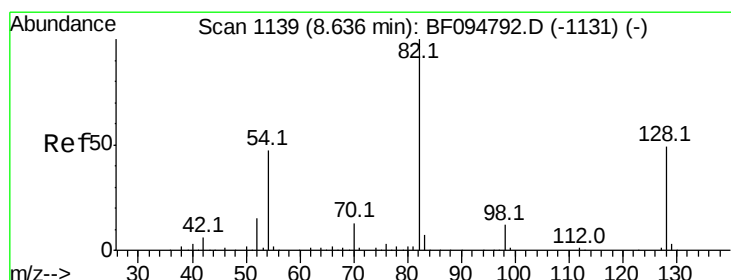
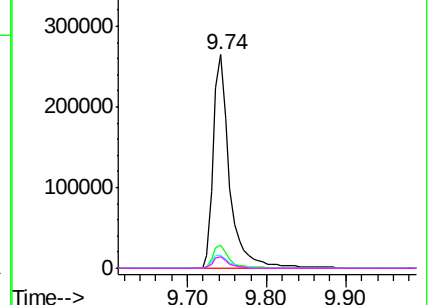


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.72 ng

RT: 8.62 min Scan# 1136

Delta R.T. -0.02 min

Lab File: BF094965.D

Acq: 8 May 2017 3:03

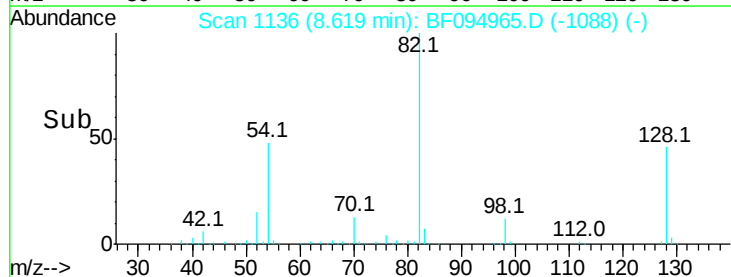
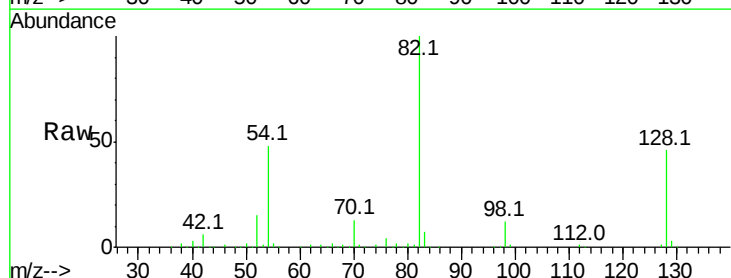
Tgt Ion: 82 Resp: 576459

Ion Ratio Lower Upper

82 100

128 46.1 34.0 51.0

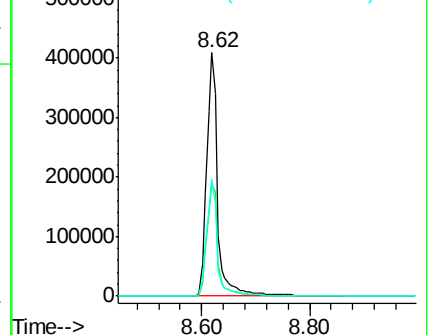
54 48.0 42.2 63.2



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: 20.00 ng

RT: 12.57 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF094965.D

Acq: 8 May 2017 3:03

Instrument :

BNA\_F

ClientSampleId :

SB-05-4.0-4.5

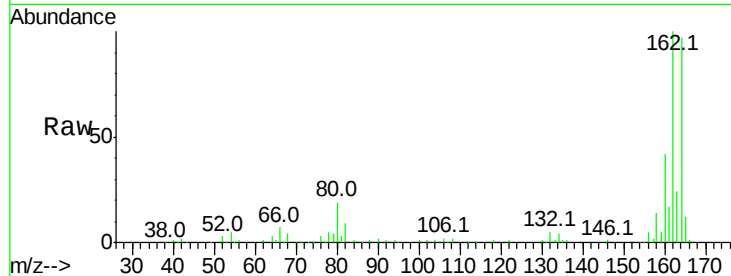
Tot Ion:164 Resp: 180482

Ion Ratio Lower Upper

164 100

162 102.8 82.6 123.8

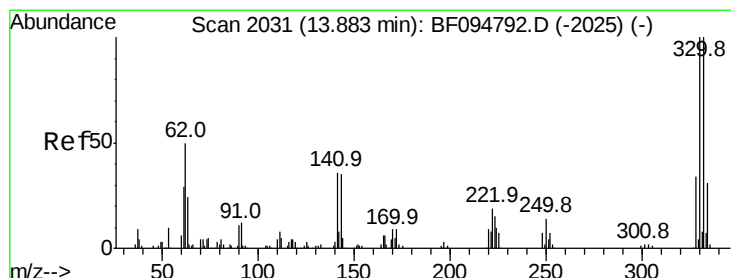
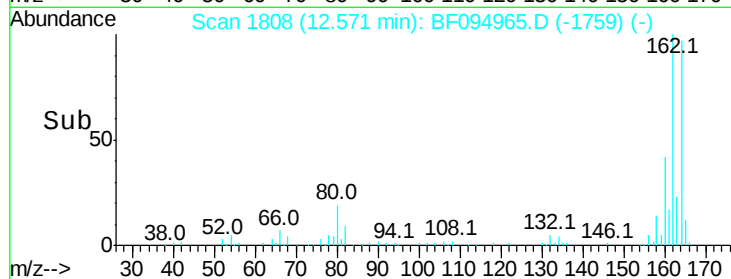
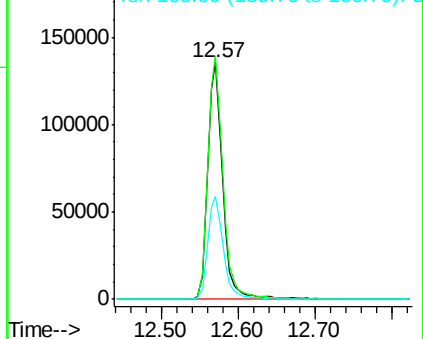
160 43.6 36.2 54.2



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: 151.22 ng

RT: 13.87 min Scan# 2028

Delta R.T. -0.02 min

Lab File: BF094965.D

Acq: 8 May 2017 3:03

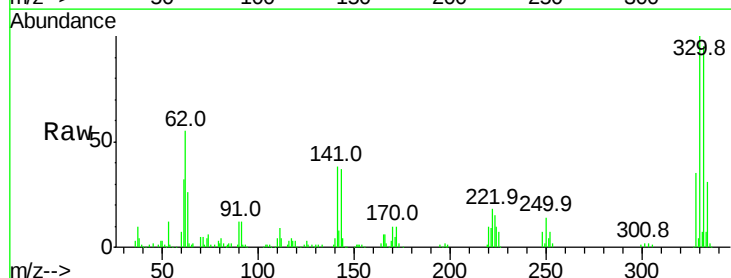
Tgt Ion:330 Resp: 223514

Ion Ratio Lower Upper

330 100

332 95.8 76.6 115.0

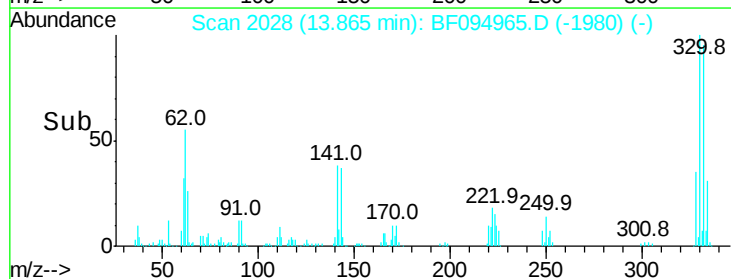
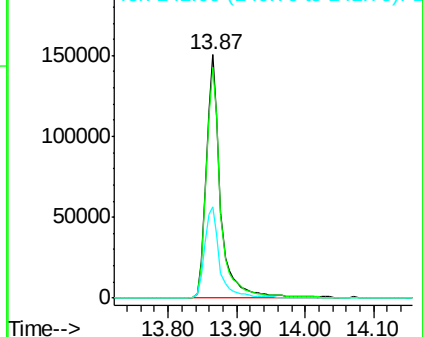
141 39.9 31.4 47.2



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

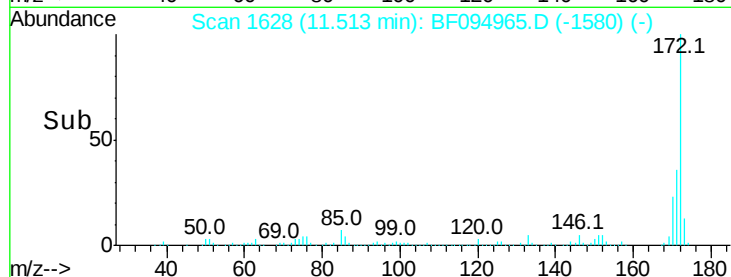
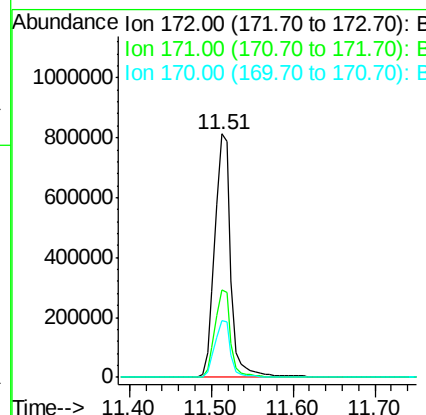
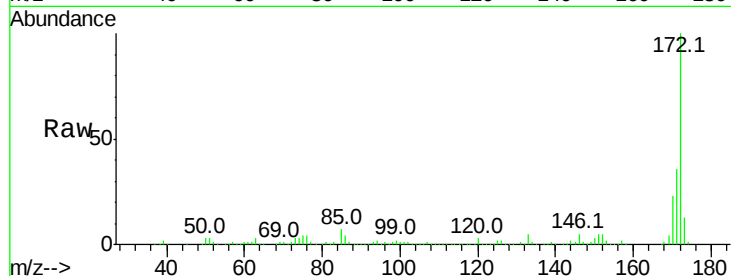




#44  
2-Fluorobiphenyl  
Concen: 88.97 ng  
RT: 11.51 min Scan# 1628  
Delta R.T. -0.02 min  
Lab File: BF094965.D  
Acq: 8 May 2017 3:03

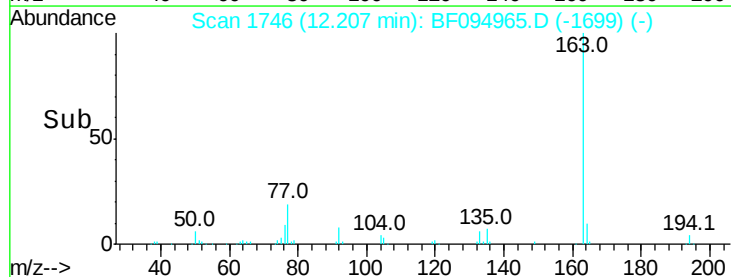
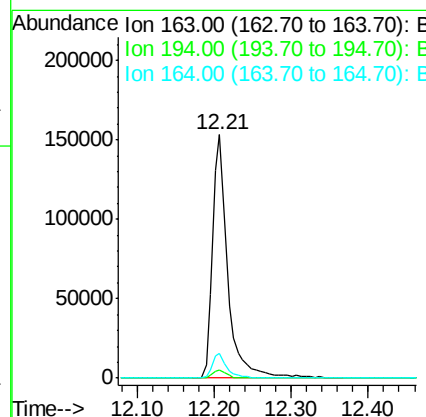
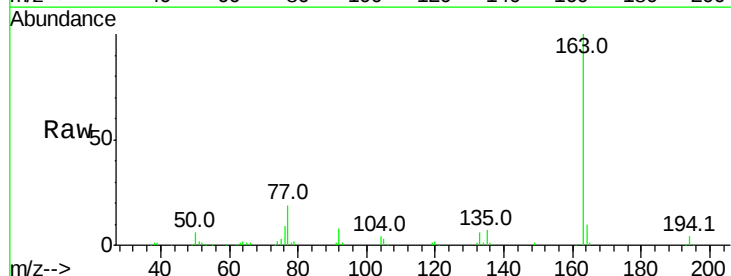
Instrument :  
BNA\_F  
ClientSampleId :  
SB-05-4.0-4.5

Tot Ion:172 Resp: 1115598  
Ion Ratio Lower Upper  
172 100  
171 35.9 29.6 44.4  
170 23.4 19.8 29.8



#49  
Dimethylphthalate  
Concen: 14.08 ng  
RT: 12.21 min Scan# 1746  
Delta R.T. -0.02 min  
Lab File: BF094965.D  
Acq: 8 May 2017 3:03

Tgt Ion:163 Resp: 208687  
Ion Ratio Lower Upper  
163 100  
194 3.5 2.6 4.0  
164 10.0 8.4 12.6

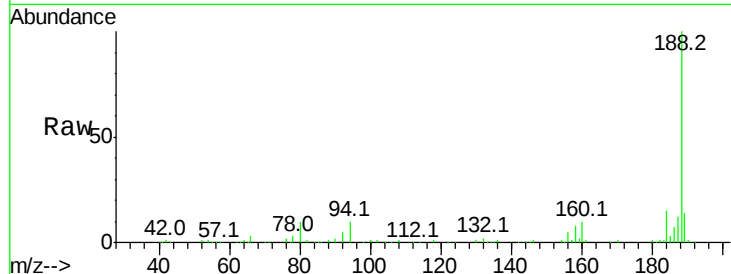




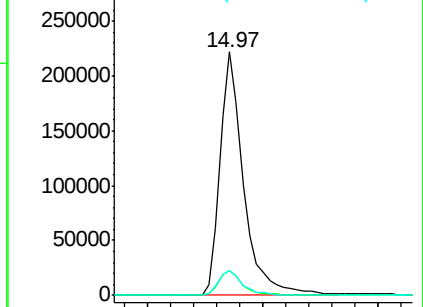
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 14.97 min Scan# 2216  
 Delta R.T. -0.01 min  
 Lab File: BF094965.D  
 Acq: 8 May 2017 3:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-05-4.0-4.5

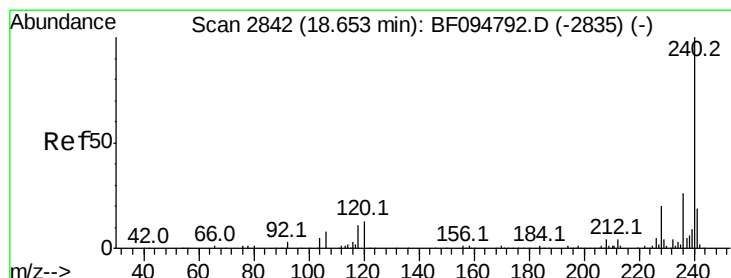
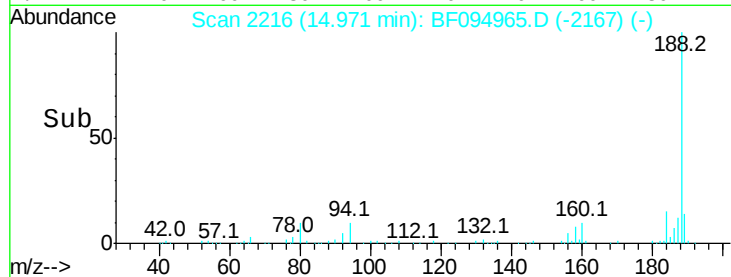
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.1  | 9.4   | 14.2  |
| 80      | 10.3  | 10.2  | 15.2  |



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

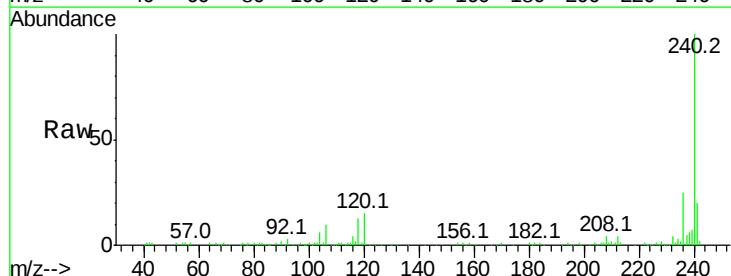


Time-->

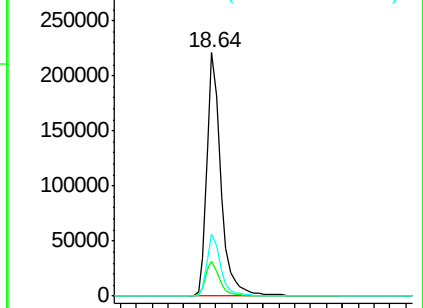


#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 18.64 min Scan# 2839  
 Delta R.T. -0.02 min  
 Lab File: BF094965.D  
 Acq: 8 May 2017 3:03

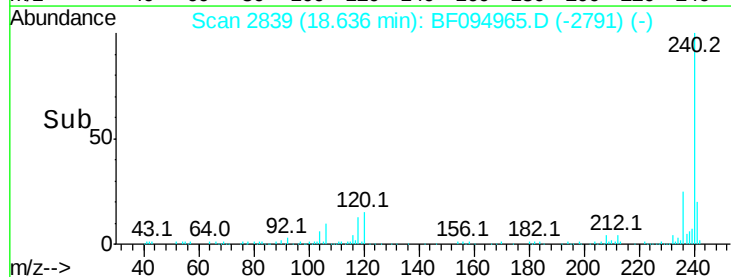
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 14.6  | 5.8   | 8.8#  |
| 236     | 25.2  | 20.5  | 30.7  |

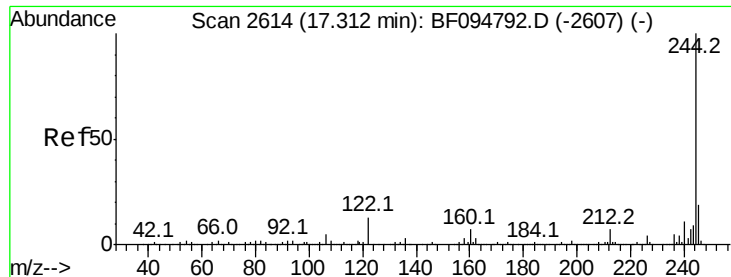


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E



Time-->





#78

Terphenyl-d14

Concen: 76.72 ng

RT: 17.30 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BF094965.D

Acq: 8 May 2017 3:03

Instrument :

BNA\_F

ClientSampleId :

SB-05-4.0-4.5

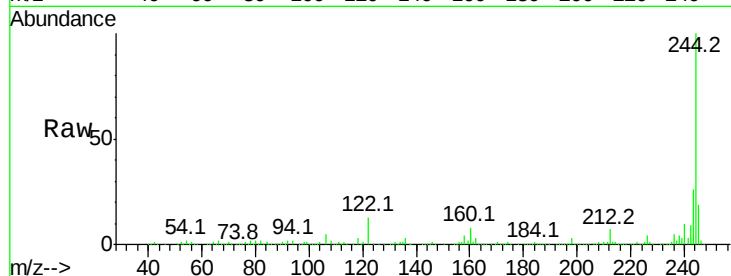
Tot Ion:244 Resp: 957238

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

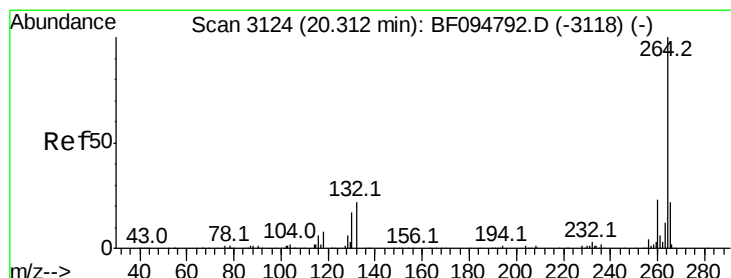
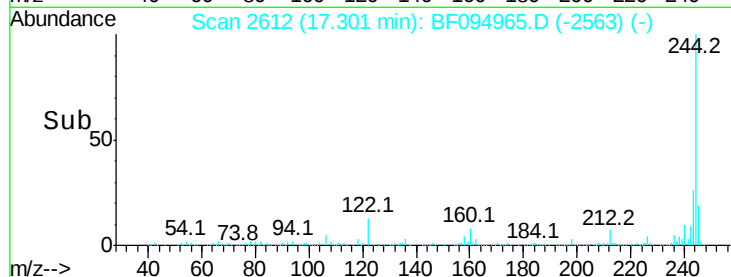
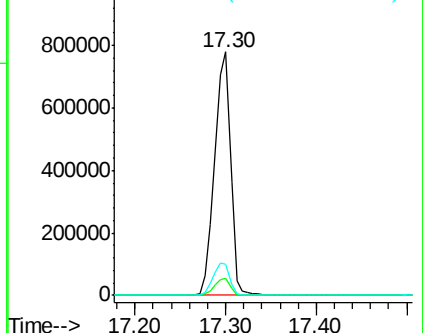
122 12.8 10.3 15.5



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

Perylene-d12

Concen: 20.00 ng

RT: 20.30 min Scan# 3122

Delta R.T. -0.01 min

Lab File: BF094965.D

Acq: 8 May 2017 3:03

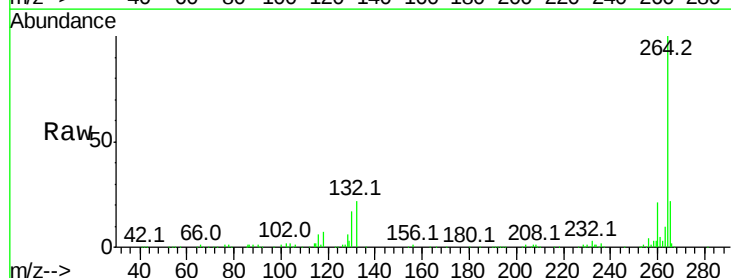
Tgt Ion:264 Resp: 221167

Ion Ratio Lower Upper

264 100

260 21.3 19.5 29.3

265 21.9 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

