

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120516\  
 Data File : BF091445.D  
 Acq On : 6 Dec 2016 5:34  
 Operator : UM/SJ  
 Sample : PB95045TB  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB95045TB

Quant Time: Dec 06 06:51:36 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF112916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 06 00:16:00 2016  
 Response via : Initial Calibration

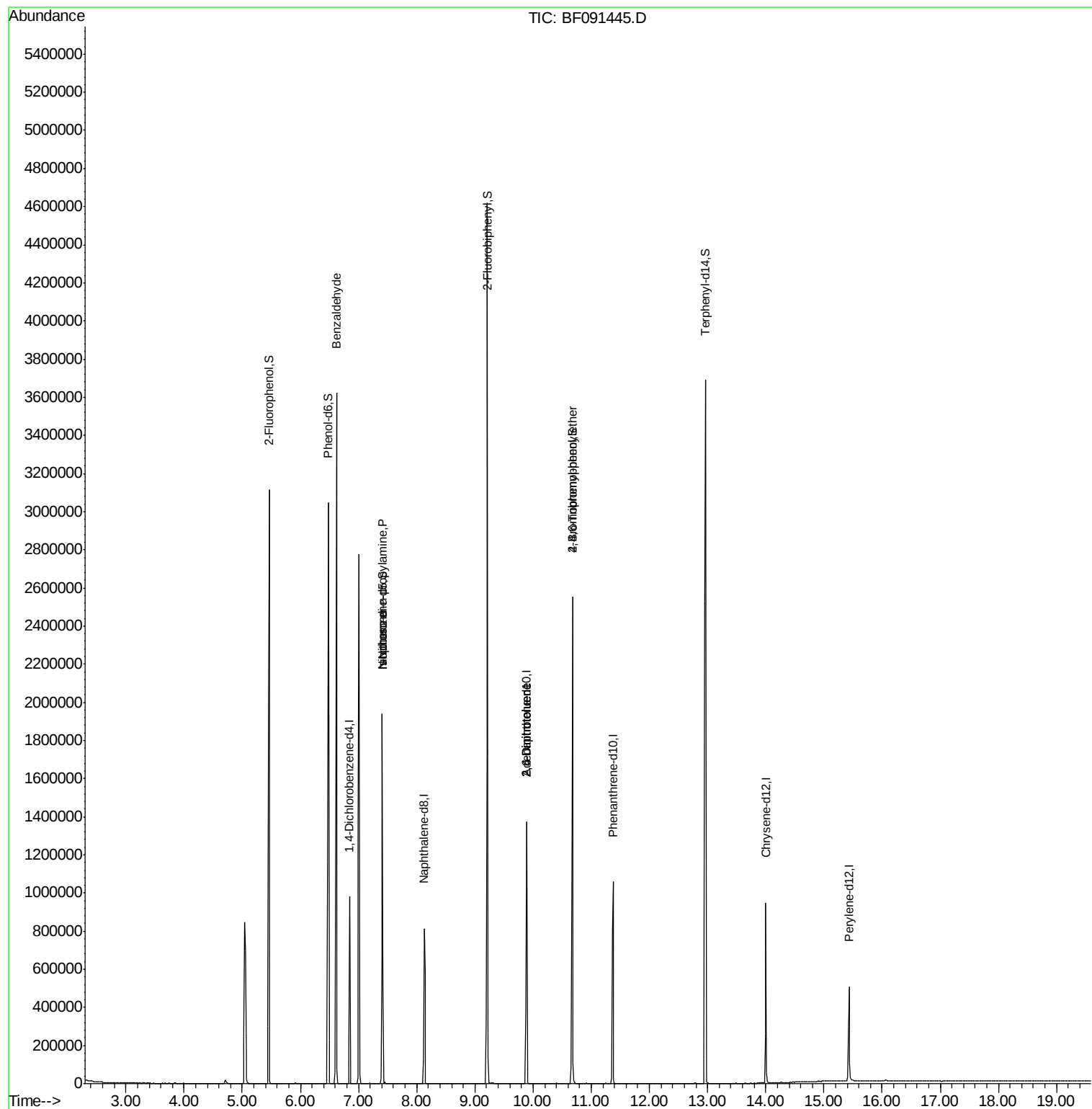
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 135943   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8             | 8.13  | 136  | 510650   | 20.00  | ng    | -0.01     |
| 38) Acenaphthene-d10           | 9.89  | 164  | 322589   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10           | 11.37 | 188  | 561408   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12               | 14.00 | 240  | 355521   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12               | 15.43 | 264  | 269482   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.46  | 112  | 940158   | 112.98 | ng    | 0.02      |
| 7) Phenol-d6                   | 6.48  | 99   | 970255   | 94.72  | ng    | 0.00      |
| 23) Nitrobenzene-d5            | 7.41  | 82   | 692453   | 75.99  | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol       | 10.68 | 330  | 334445   | 109.51 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl           | 9.21  | 172  | 1557177  | 87.40  | ng    | 0.00      |
| 78) Terphenyl-d14              | 12.96 | 244  | 1550964  | 94.82  | ng    | 0.00      |
| Target Compounds               |       |      |          |        |       |           |
| 9) Benzaldehyde                | 6.62  | 77   | 24640    | 3.74   | ng    | Qvalue 88 |
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70   | 94856    | 14.70  | ng    | # 73      |
| 25) Isophorone                 | 7.41  | 82   | 543630   | 33.67  | ng    | # 67      |
| 50) 2,6-Dinitrotoluene         | 9.89  | 165  | 41191    | 9.43   | ng    | # 16      |
| 56) 2,4-Dinitrotoluene         | 9.89  | 165  | 41193    | 7.27   | ng    | # 33      |
| 66) 4-Bromophenyl-phenylether  | 10.68 | 248  | 22259    | 3.69   | ng    | # 1       |

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

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QLast Update : Tue Dec 06 00:16:00 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 399

Delta R.T. -0.00 min

Lab File: BF091445.D

Acq: 6 Dec 2016 5:34

Instrument :

BNA\_F

ClientSampleId :

PB95045TB

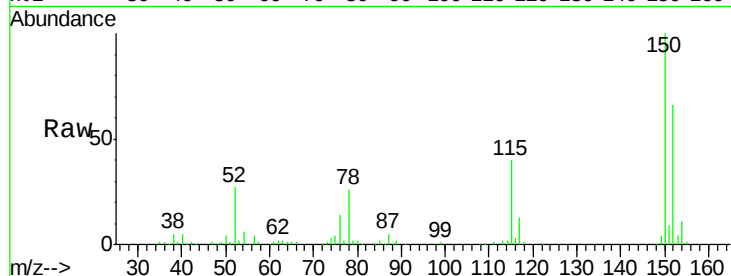
Tgt Ion:152 Resp: 135943

Ion Ratio Lower Upper

152 100

150 151.5 122.5 183.7

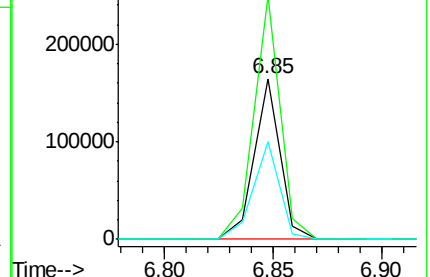
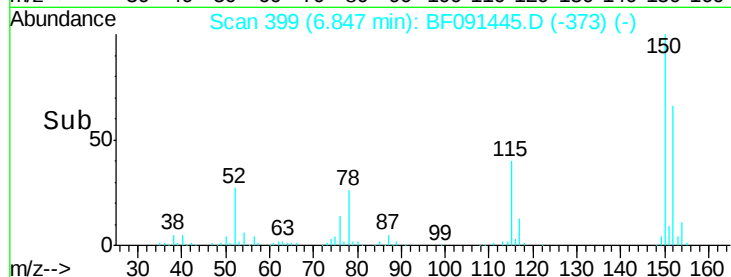
115 60.7 51.8 77.8



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: 112.98 ng

RT: 5.46 min Scan# 278

Delta R.T. 0.02 min

Lab File: BF091445.D

Acq: 6 Dec 2016 5:34

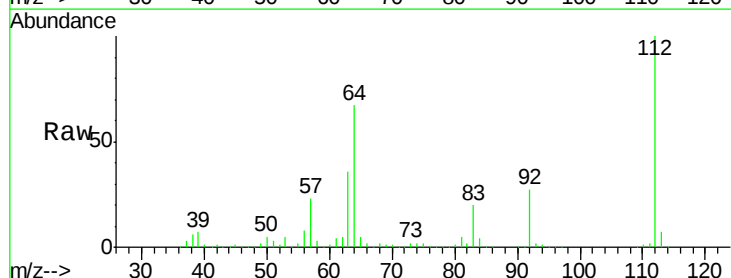
Tgt Ion:112 Resp: 940158

Ion Ratio Lower Upper

112 100

64 67.3 61.5 92.3

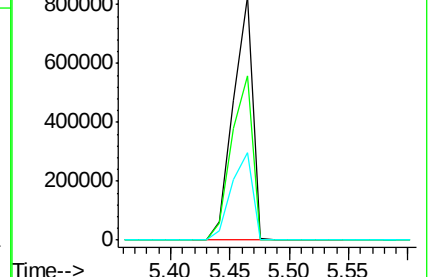
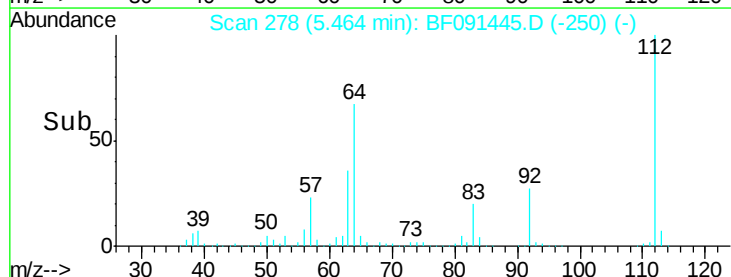
63 36.2 33.3 49.9

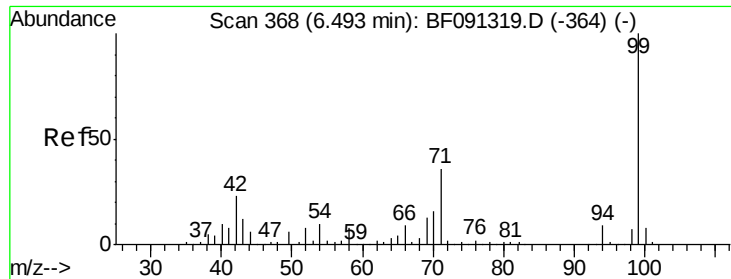


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.72 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.00 min

Lab File: BF091445.D

Acq: 6 Dec 2016 5:34

Instrument :

BNA\_F

ClientSampleId :

PB95045TB

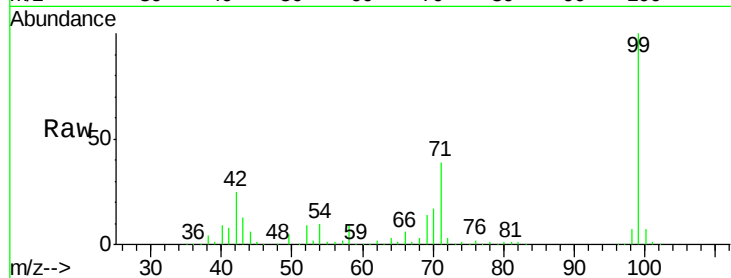
Tgt Ion: 99 Resp: 970255

Ion Ratio Lower Upper

99 100

42 24.9 20.6 31.0

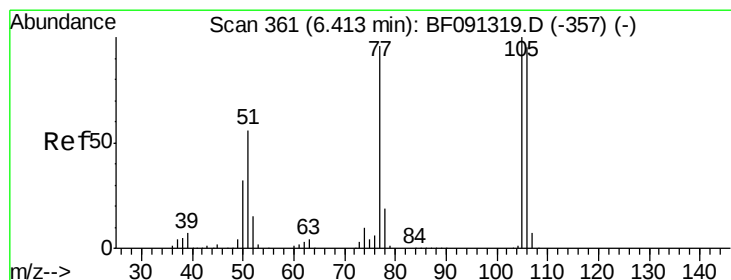
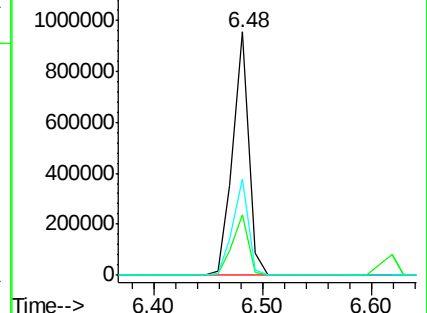
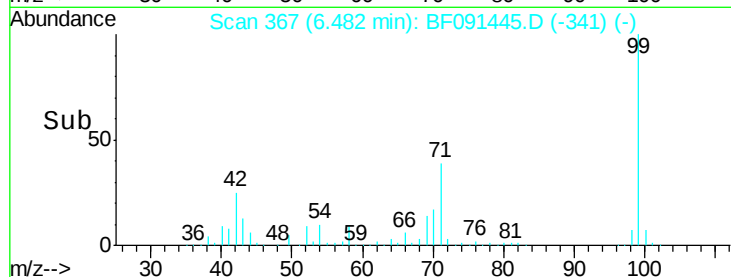
71 39.4 29.9 44.9



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



#9

Benzaldehyde

Concen: 3.74 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.23 min

Lab File: BF091445.D

Acq: 6 Dec 2016 5:34

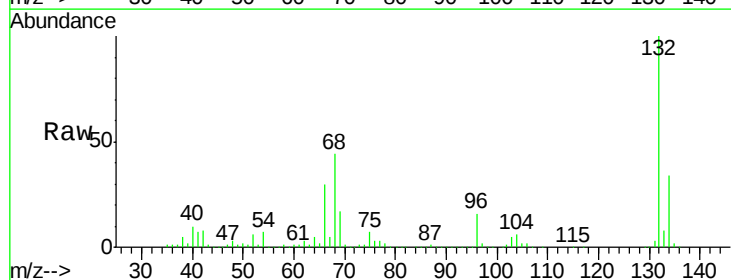
Tgt Ion: 77 Resp: 24640

Ion Ratio Lower Upper

77 100

105 77.9 66.4 106.4

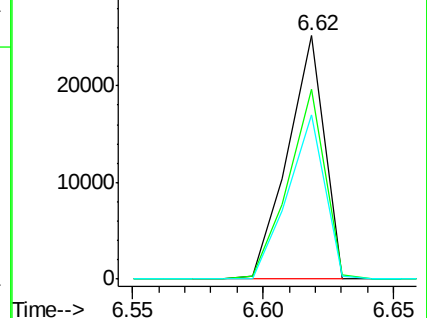
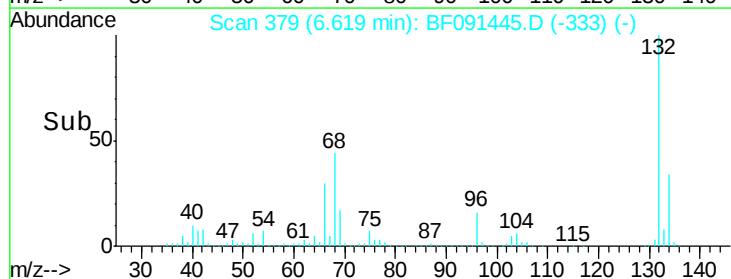
106 67.7 60.9 100.9

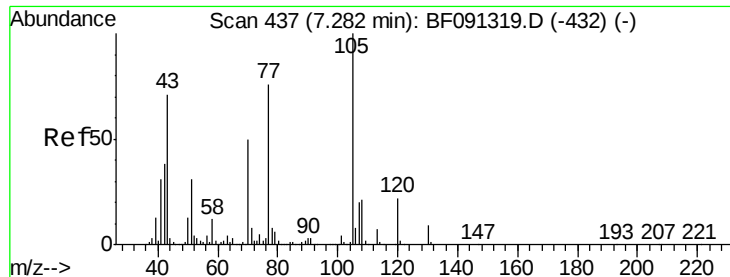


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 14.70 ng

RT: 7.41 min Scan# 448

Delta R.T. 0.14 min

Lab File: BF091445.D

Acq: 6 Dec 2016 5:34

Instrument :

BNA\_F

ClientSampleId :

PB95045TB

Tgt Ion: 70 Resp: 94856

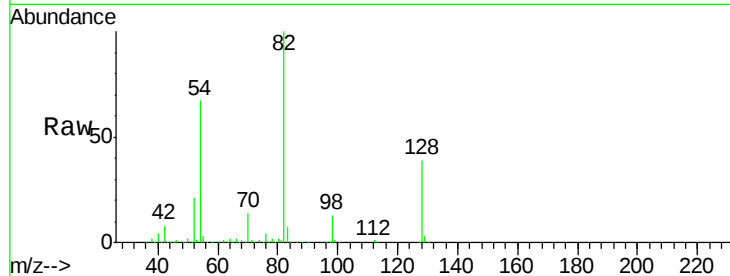
Ion Ratio Lower Upper

70 100

42 56.9 64.8 97.2#

101 0.0 6.2 9.4#

130 1.9 11.7 17.5#

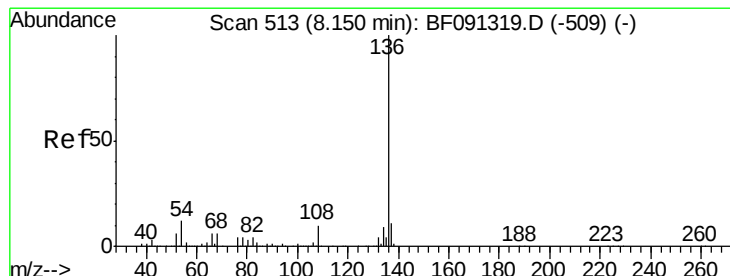
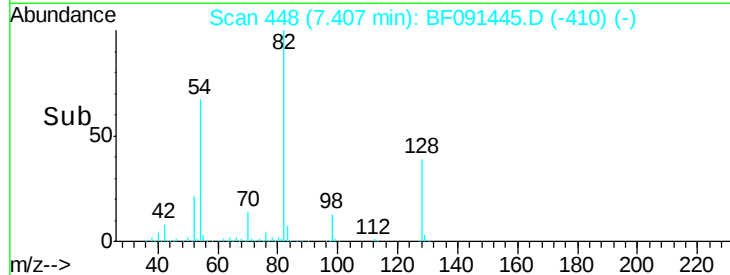
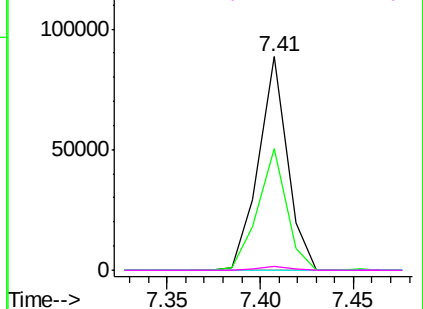


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF091445.D

Acq: 6 Dec 2016 5:34

Tgt Ion: 136 Resp: 510650

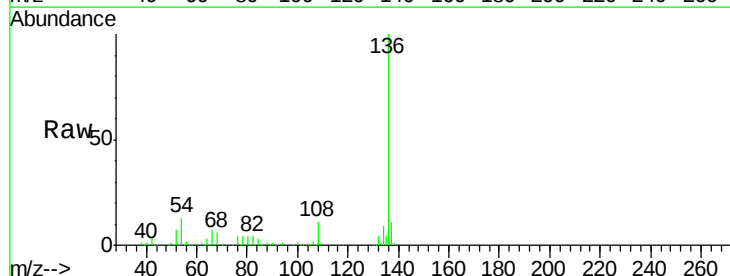
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 13.2 9.1 13.7

68 5.6 5.9 8.9#

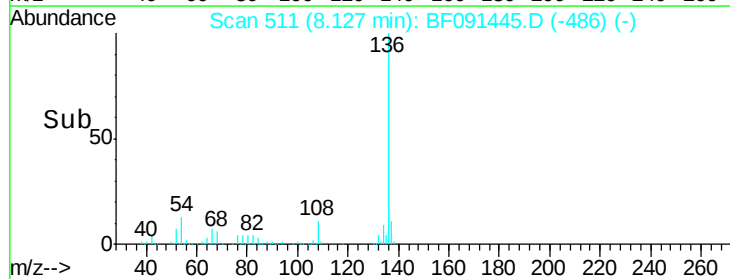
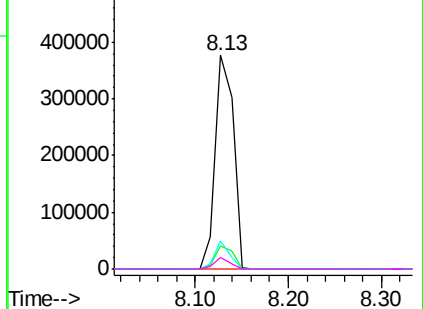


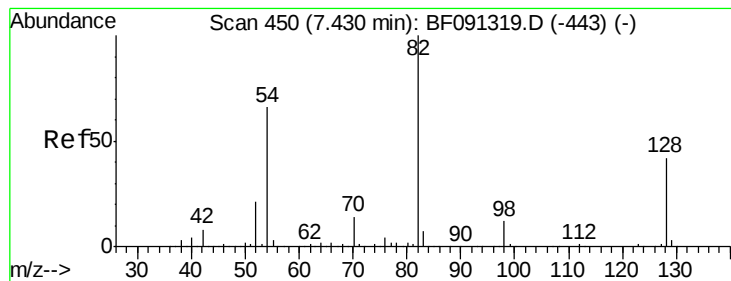
Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.99 ng

RT: 7.41 min Scan# 448

Delta R.T. -0.01 min

Lab File: BF091445.D

Acq: 6 Dec 2016 5:34

Instrument :

BNA\_F

ClientSampleId :

PB95045TB

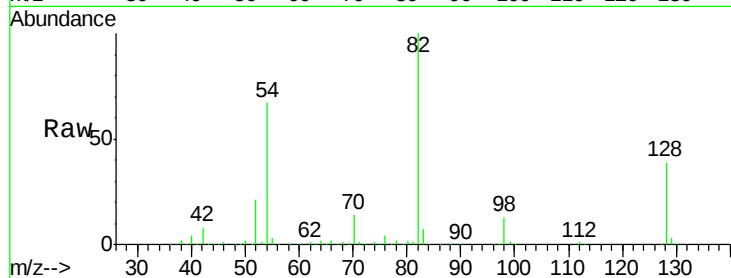
Tgt Ion: 82 Resp: 692453

Ion Ratio Lower Upper

82 100

128 39.3 31.8 47.6

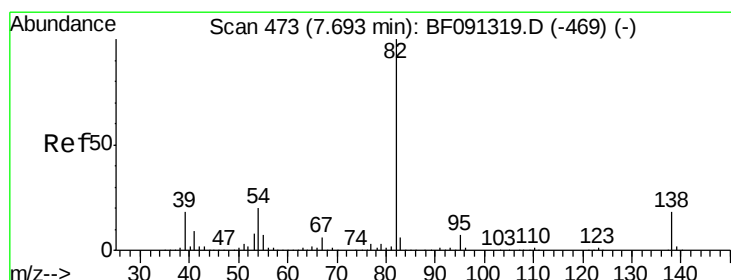
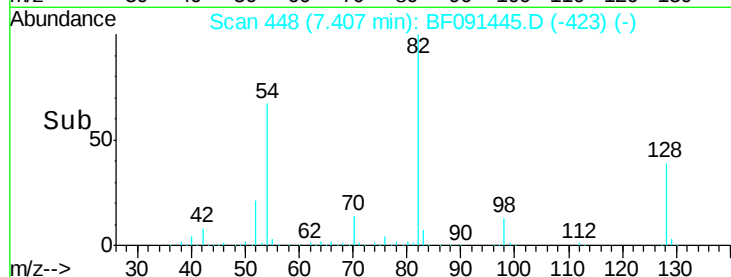
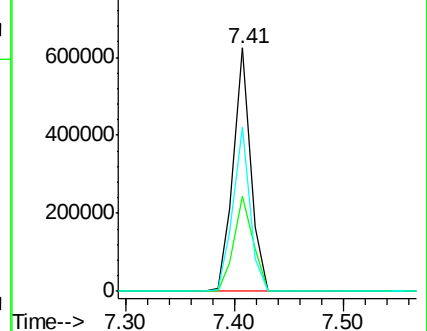
54 67.5 49.1 73.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 33.67 ng

RT: 7.41 min Scan# 448

Delta R.T. -0.27 min

Lab File: BF091445.D

Acq: 6 Dec 2016 5:34

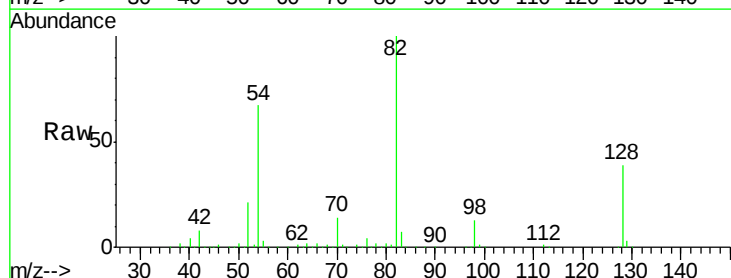
Tgt Ion: 82 Resp: 543630

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

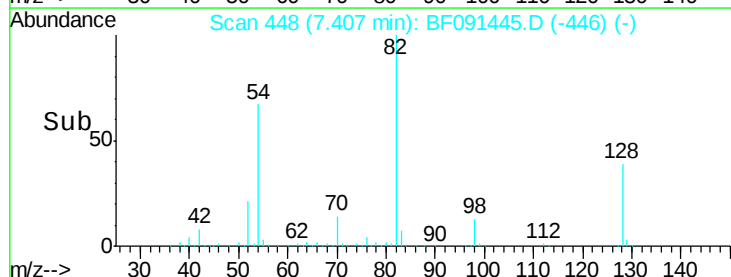
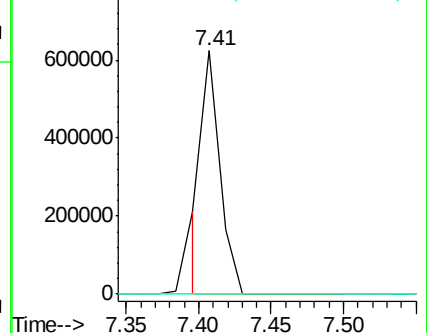
138 0.0 13.4 20.0#

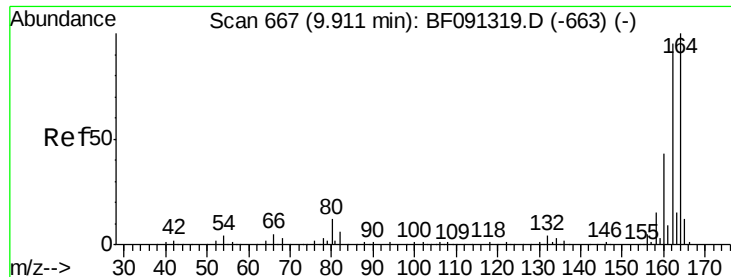


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.00 min

Lab File: BF091445.D

Acq: 6 Dec 2016 5:34

Instrument :

BNA\_F

ClientSampleId :

PB95045TB

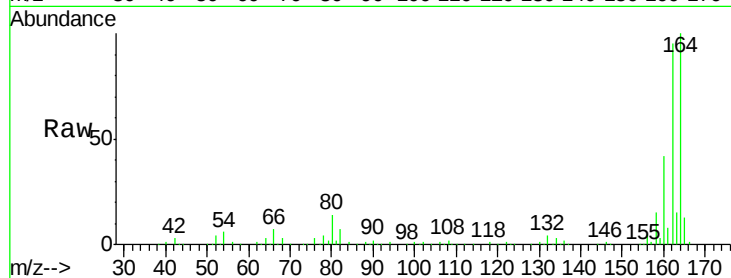
Tgt Ion:164 Resp: 322589

Ion Ratio Lower Upper

164 100

162 94.8 82.6 124.0

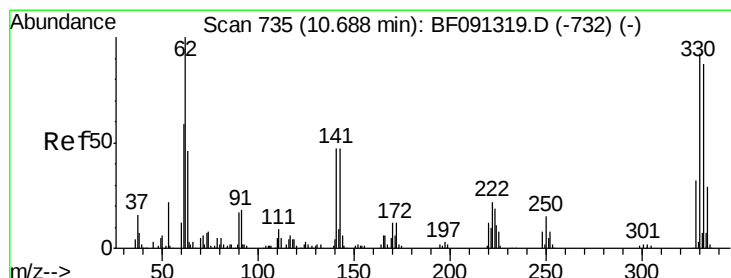
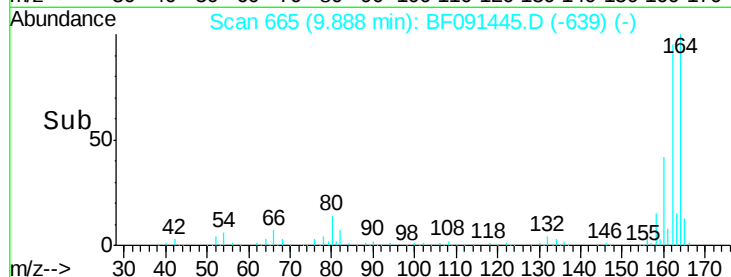
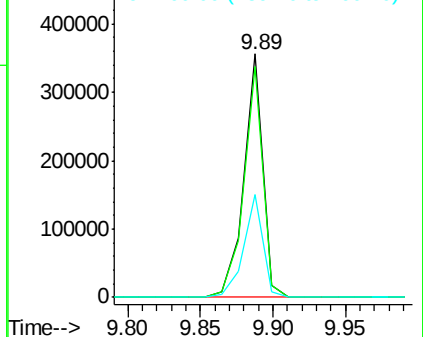
160 42.5 36.7 55.1



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: 109.51 ng

RT: 10.68 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF091445.D

Acq: 6 Dec 2016 5:34

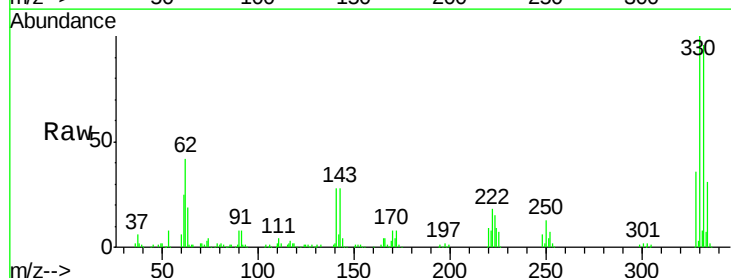
Tgt Ion:330 Resp: 334445

Ion Ratio Lower Upper

330 100

332 96.2 76.2 114.4

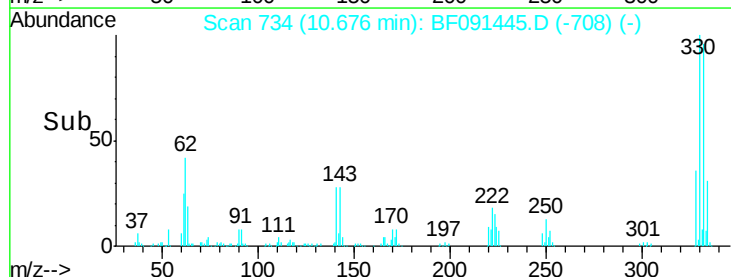
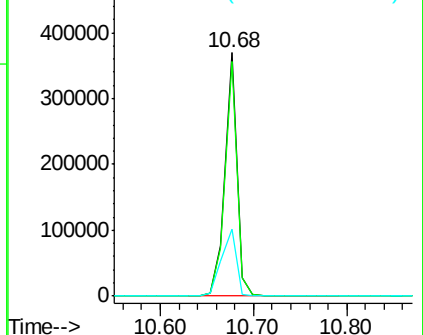
141 33.4 33.6 50.4#

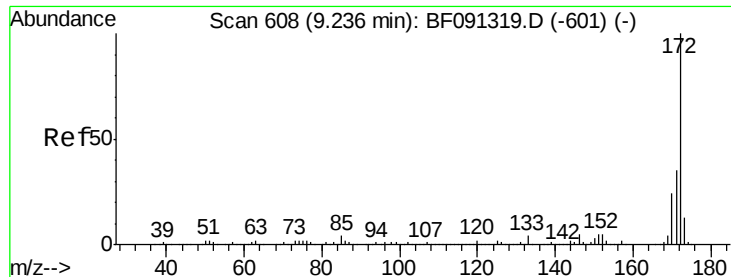


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

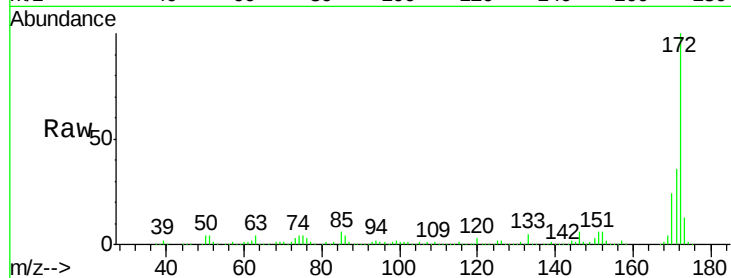




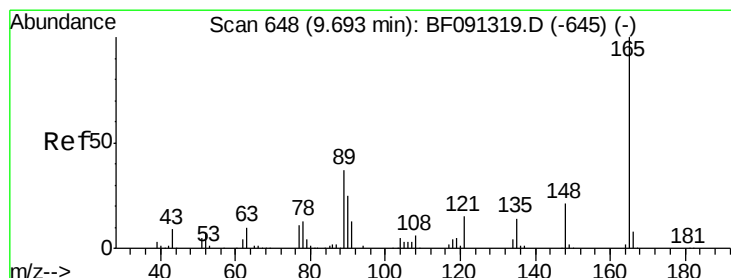
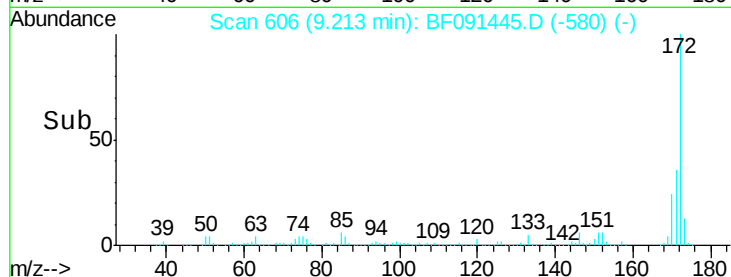
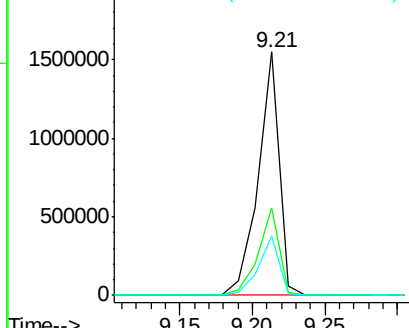
#44  
 2-Fluorobiphenyl  
 Concen: 87.40 ng  
 RT: 9.21 min Scan# 606  
 Delta R.T. -0.00 min  
 Lab File: BF091445.D  
 Acq: 6 Dec 2016 5:34

Instrument :  
 BNA\_F  
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 PB95045TB

Tgt Ion:172 Resp: 1557177  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.4 44.0  
 170 24.2 19.7 29.5

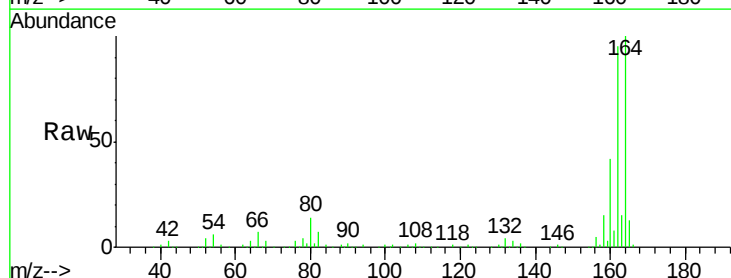


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

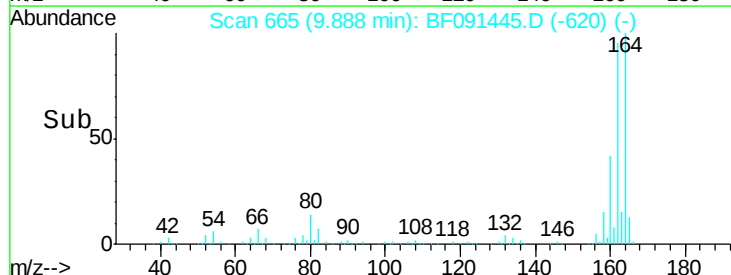
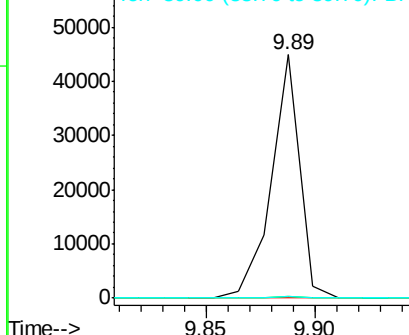


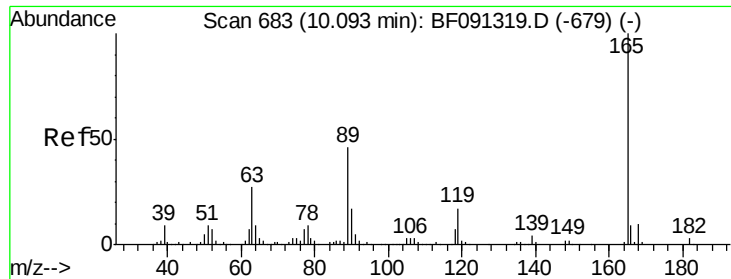
#50  
 2,6-Dinitrotoluene  
 Concen: 9.43 ng  
 RT: 9.89 min Scan# 665  
 Delta R.T. 0.22 min  
 Lab File: BF091445.D  
 Acq: 6 Dec 2016 5:34

Tgt Ion:165 Resp: 41191  
 Ion Ratio Lower Upper  
 165 100  
 63 0.9 59.4 89.0#  
 89 0.8 50.8 76.2#



Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0

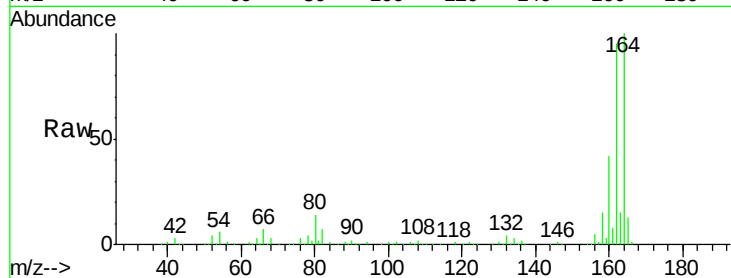




#56  
 2,4-Dinitrotoluene  
 Concen: 7.27 ng  
 RT: 9.89 min Scan# 665  
 Delta R.T. -0.19 min  
 Lab File: BF091445.D  
 Acq: 6 Dec 2016 5:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB95045TB

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 41193 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 0.9   | 29.0  | 43.4# |
| 89        | 0.8   | 43.1  | 64.7# |
| 182       | 0.0   | 1.9   | 2.9#  |

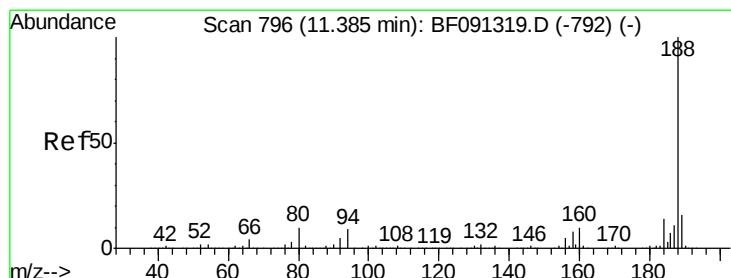
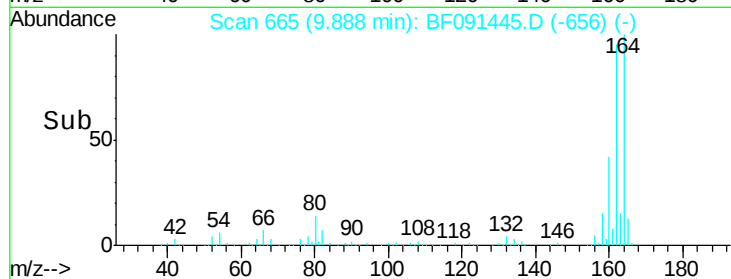
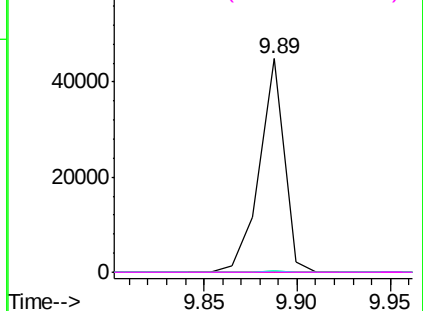


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

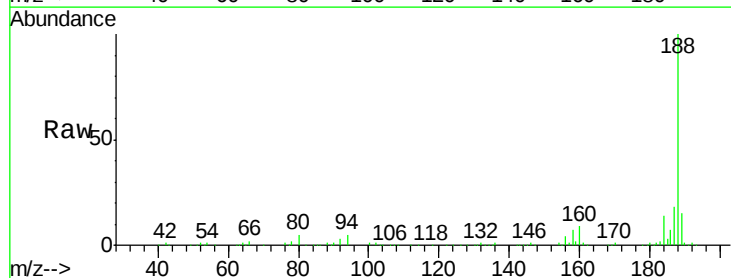
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.37 min Scan# 795  
 Delta R.T. -0.00 min  
 Lab File: BF091445.D  
 Acq: 6 Dec 2016 5:34

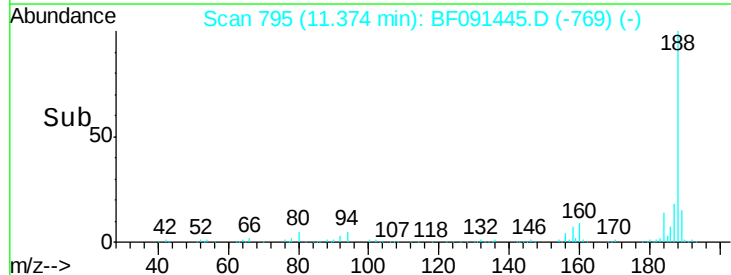
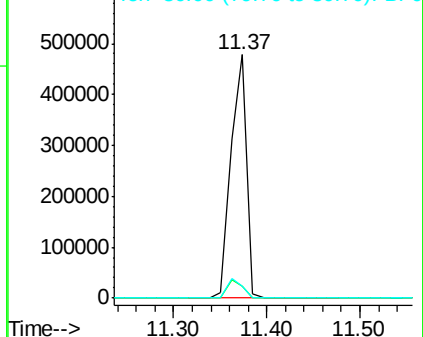
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 561408 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 4.7   | 9.2   | 13.8#  |
| 80        | 4.7   | 10.5  | 15.7#  |

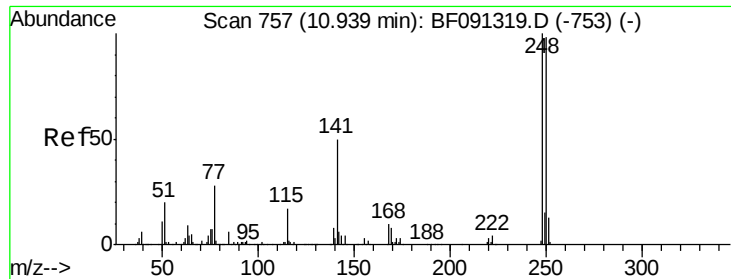


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

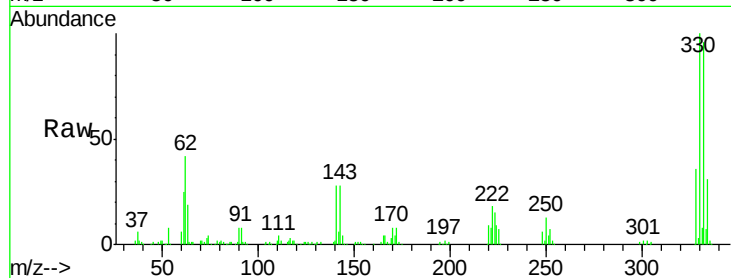




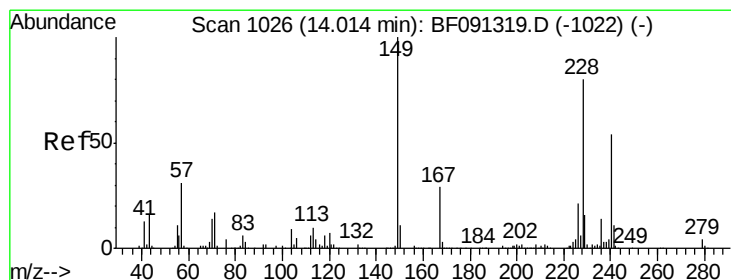
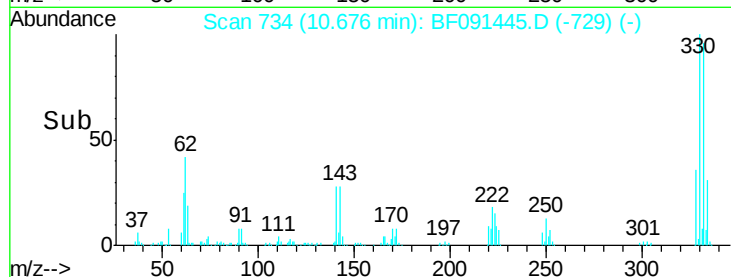
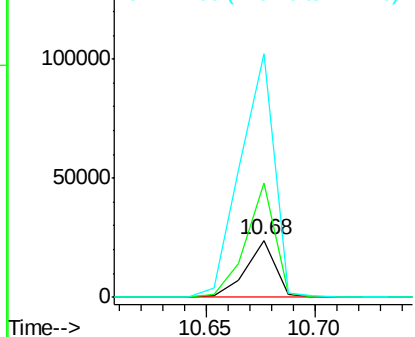
#66  
4-Bromophenyl-phenylether  
Concen: 3.69 ng  
RT: 10.68 min Scan# 734  
Delta R.T. -0.24 min  
Lab File: BF091445.D  
Acq: 6 Dec 2016 5:34

Instrument :  
BNA\_F  
ClientSampleId :  
PB95045TB

Tgt Ion:248 Resp: 22259  
Ion Ratio Lower Upper  
248 100  
250 200.0 78.2 117.4#  
141 426.7 71.9 107.9#

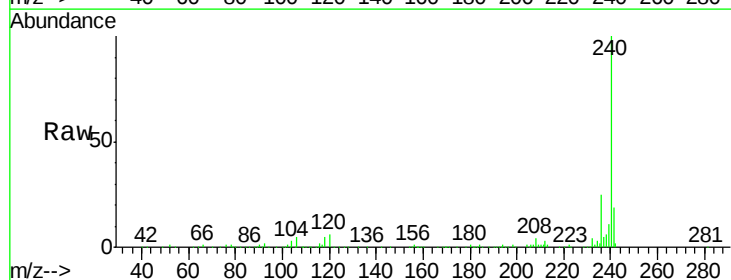


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

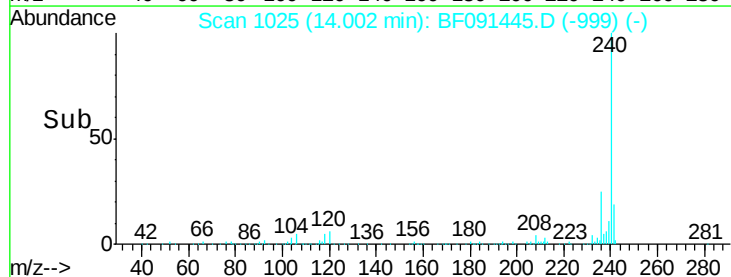
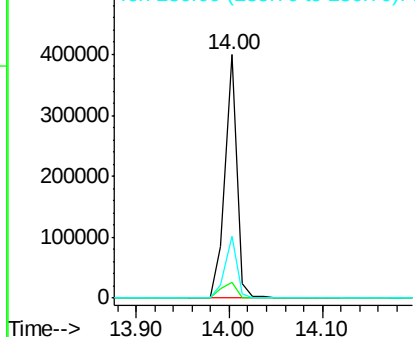


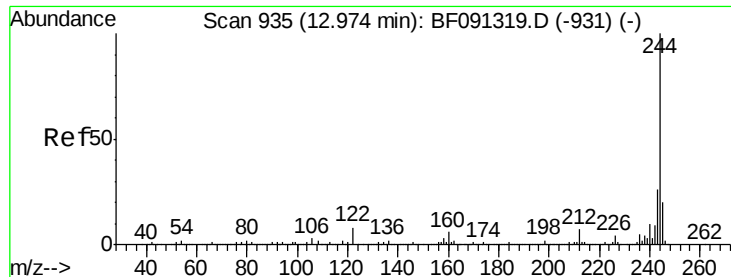
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.00 min Scan# 1025  
Delta R.T. -0.00 min  
Lab File: BF091445.D  
Acq: 6 Dec 2016 5:34

Tgt Ion:240 Resp: 355521  
Ion Ratio Lower Upper  
240 100  
120 6.3 12.1 18.1#  
236 25.2 21.0 31.6



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

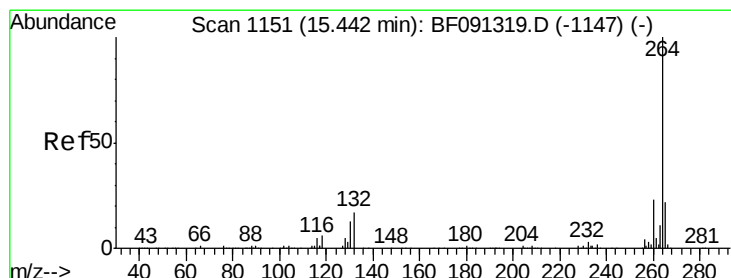
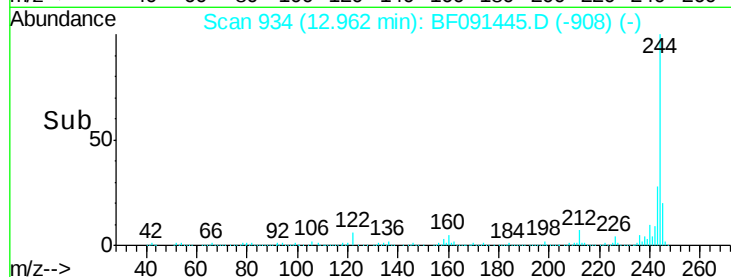
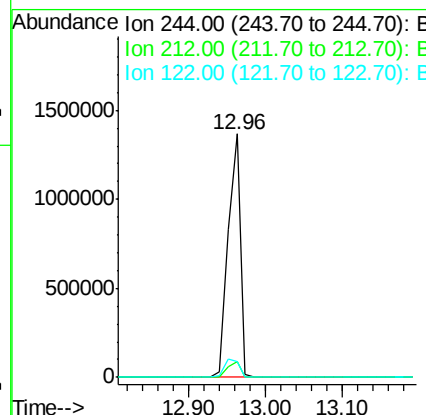
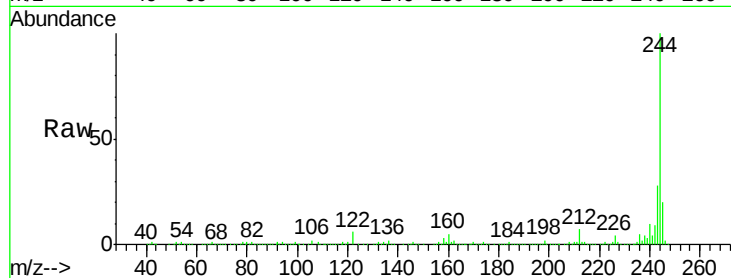




#78  
 Terphenyl-d14  
 Concen: 94.82 ng  
 RT: 12.96 min Scan# 934  
 Delta R.T. -0.00 min  
 Lab File: BF091445.D  
 Acq: 6 Dec 2016 5:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB95045TB

Tgt Ion:244 Resp: 1550964  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 6.5 9.7  
 122 6.2 9.5 14.3#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.43 min Scan# 1150  
 Delta R.T. -0.00 min  
 Lab File: BF091445.D  
 Acq: 6 Dec 2016 5:34

Tgt Ion:264 Resp: 269482  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 18.8 28.2  
 265 22.2 17.0 25.6

