

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111716\  
 Data File : BF091225.D  
 Acq On : 17 Nov 2016 21:10  
 Operator : UM/SJ  
 Sample : H5681-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WQ-1W

Quant Time: Nov 18 04:01:06 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 08 12:59:29 2016  
 Response via : Initial Calibration

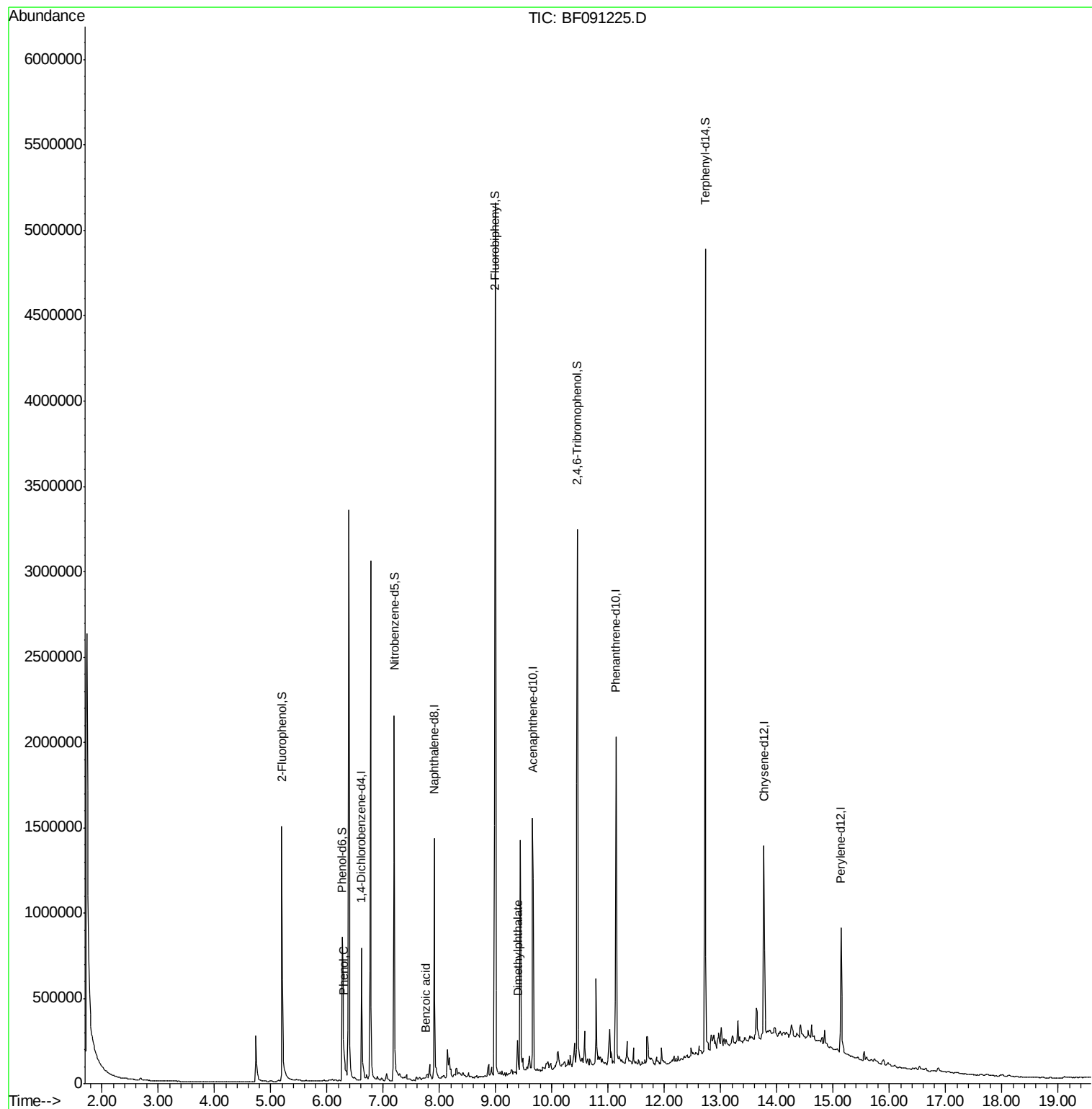
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.61  | 152  | 178142   | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8          | 7.90  | 136  | 741262   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10        | 9.65  | 164  | 404980   | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10        | 11.14 | 188  | 688485   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 13.77 | 240  | 428523   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12            | 15.14 | 264  | 333096   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.20  | 112  | 570102   | 52.85  | ng    | -0.05    |
| 7) Phenol-d6                | 6.27  | 99   | 507063   | 34.63  | ng    | -0.05    |
| 23) Nitrobenzene-d5         | 7.20  | 82   | 992912   | 73.07  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 10.45 | 330  | 468504   | 127.96 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 8.99  | 172  | 1716357  | 72.96  | ng    | -0.05    |
| 78) Terphenyl-d14           | 12.73 | 244  | 1585329  | 92.32  | ng    | -0.03    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.29  | 94   | 41435    | 2.56   | ng    | # 70     |
| 32) Benzoic acid            | 7.76  | 122  | 3156     | 5.42   | ng    | # 82     |
| 49) Dimethylphthalate       | 9.39  | 163  | 69468    | 2.62   | ng    | 99       |

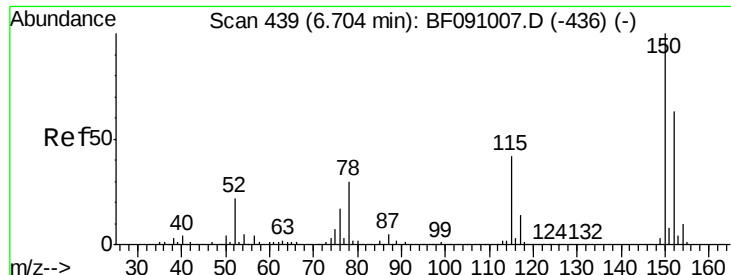
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_F  
ClientSampleId :  
WQ-1W

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M  
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QLast Update : Tue Nov 08 12:59:29 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.61 min Scan# 431

Delta R.T. -0.05 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

Instrument :

BNA\_F

ClientSampleId :

WQ-1W

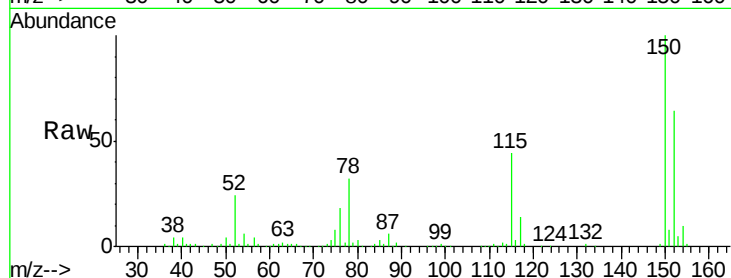
Tot Ion:152 Resp: 178142

Ion Ratio Lower Upper

152 100

150 157.1 126.8 190.2

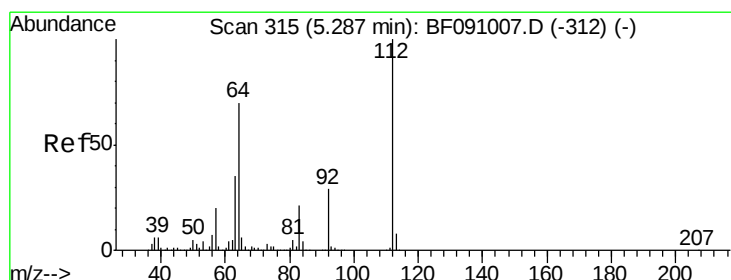
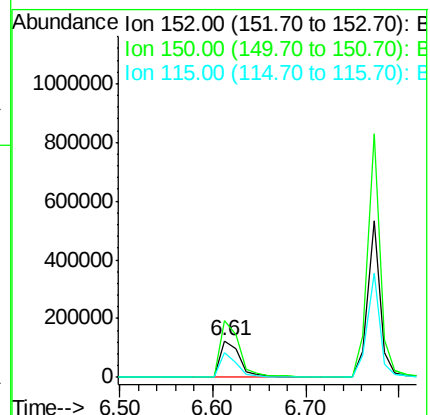
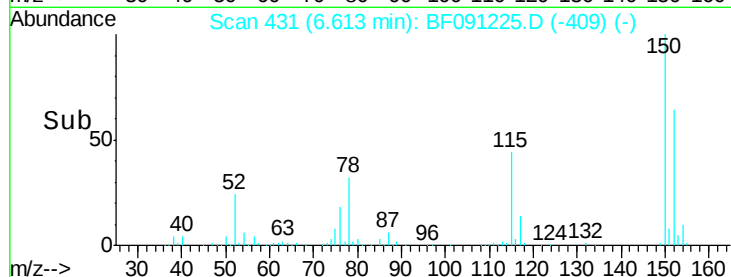
115 69.3 53.3 79.9



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: 52.85 ng

RT: 5.20 min Scan# 307

Delta R.T. -0.05 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

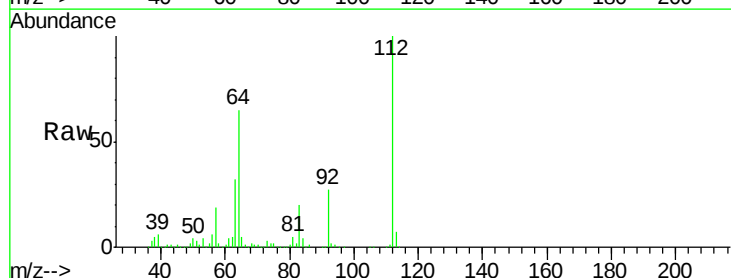
Tgt Ion:112 Resp: 570102

Ion Ratio Lower Upper

112 100

64 64.6 55.8 83.6

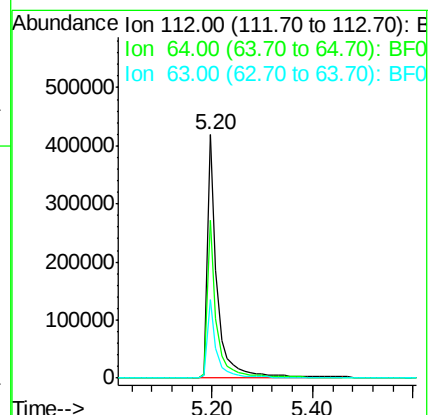
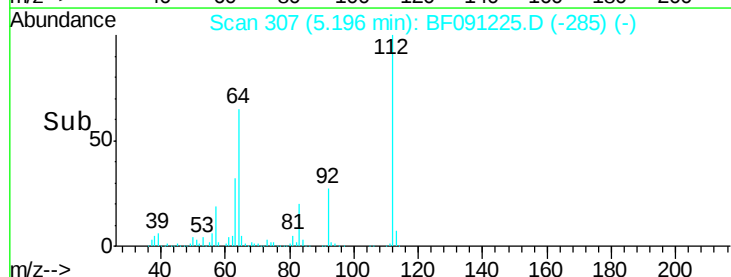
63 32.4 28.0 42.0

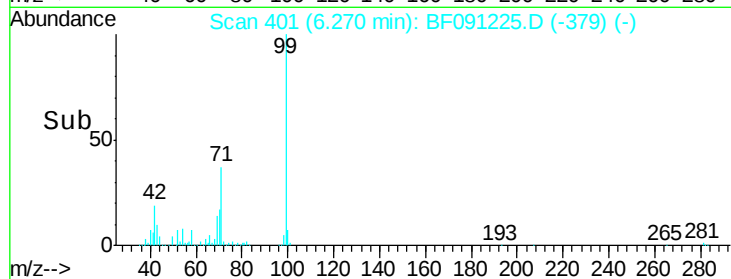
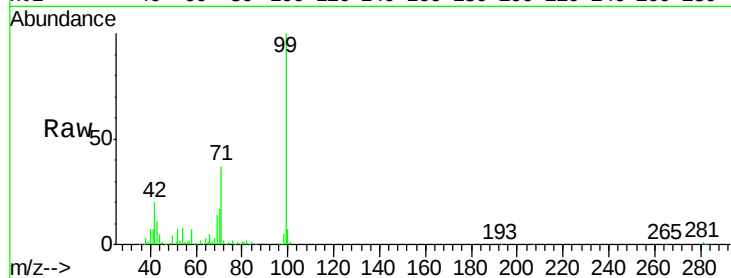
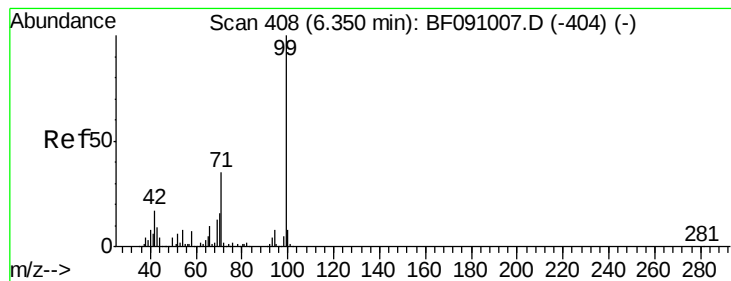


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 34.63 ng

RT: 6.27 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

Instrument :

BNA\_F

ClientSampleId :

WQ-1W

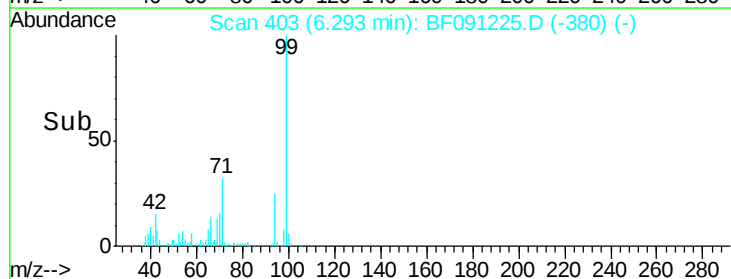
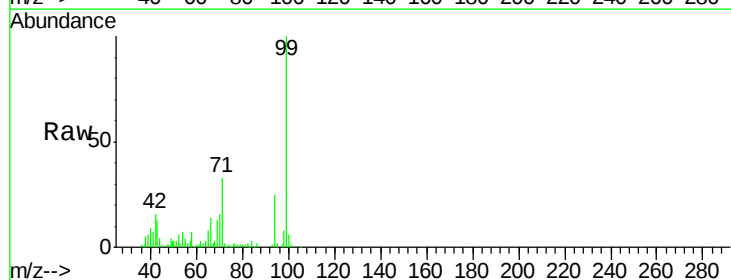
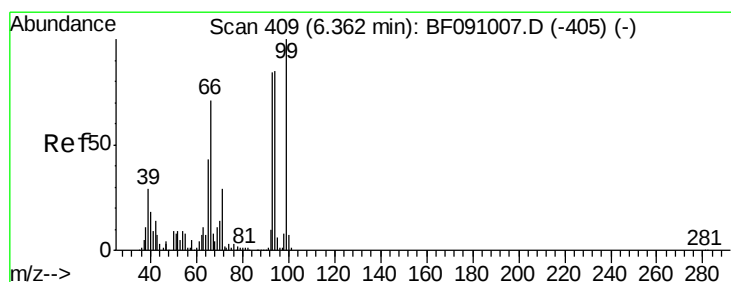
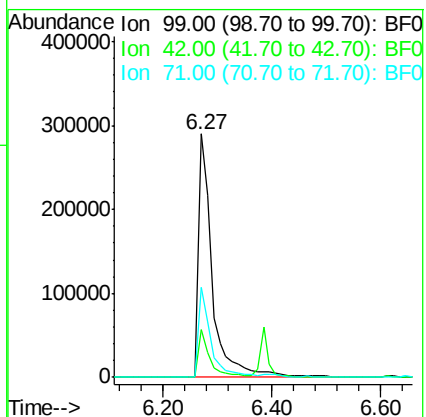
Tot Ion: 99 Resp: 507063

Ion Ratio Lower Upper

99 100

42 19.7 13.9 20.9

71 37.2 27.8 41.8



#10

Phenol

Concen: 2.56 ng

RT: 6.29 min Scan# 403

Delta R.T. -0.03 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

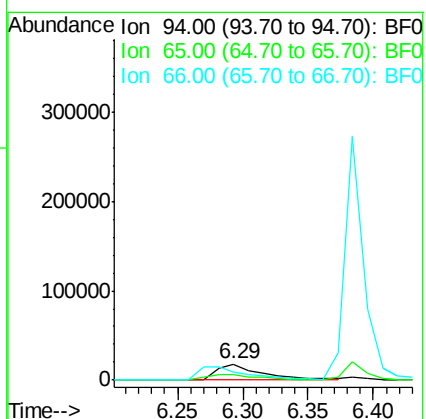
Tgt Ion: 94 Resp: 41435

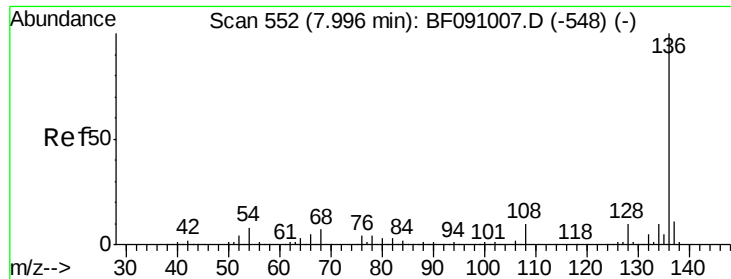
Ion Ratio Lower Upper

94 100

65 31.9 30.4 70.4

66 54.5 62.9 102.9#

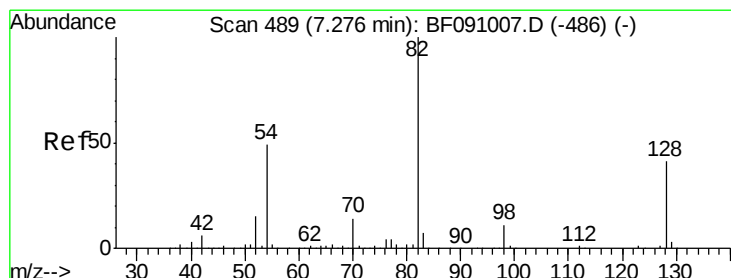
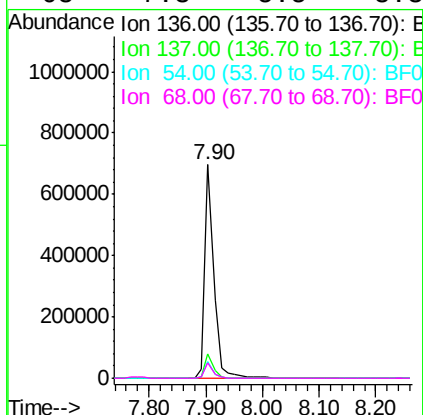
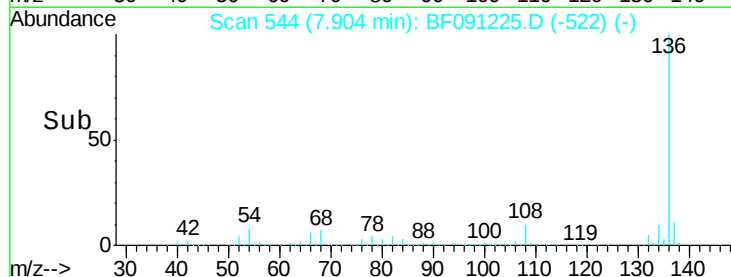
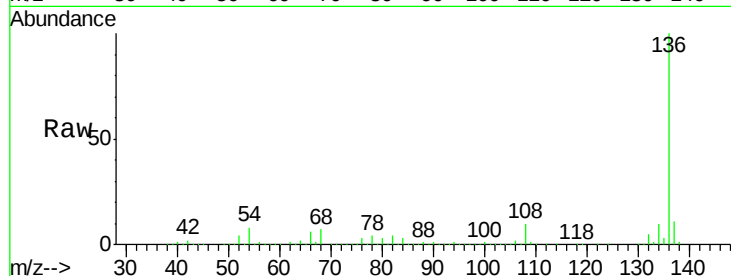




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.90 min Scan# 544  
Delta R.T. -0.05 min  
Lab File: BF091225.D  
Acq: 17 Nov 2016 21:10

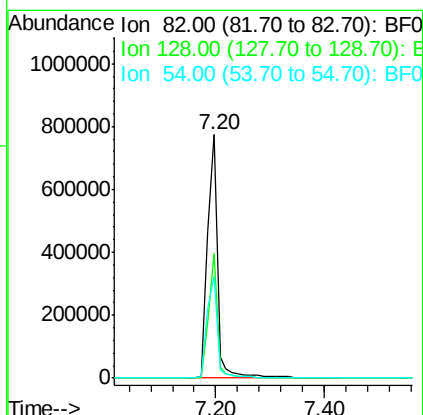
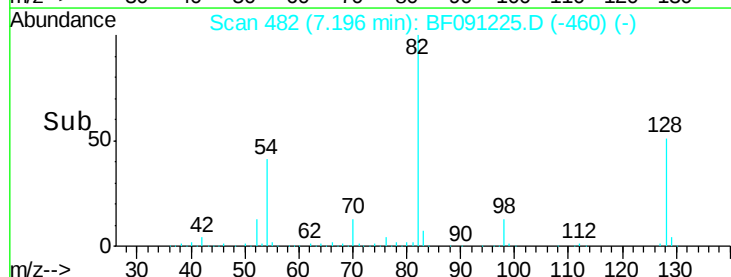
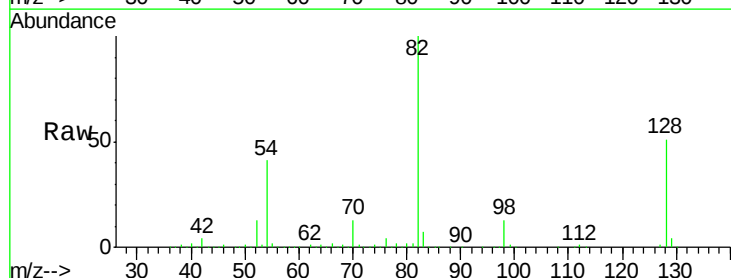
Instrument :  
BNA\_F  
ClientSampleId :  
WQ-1W

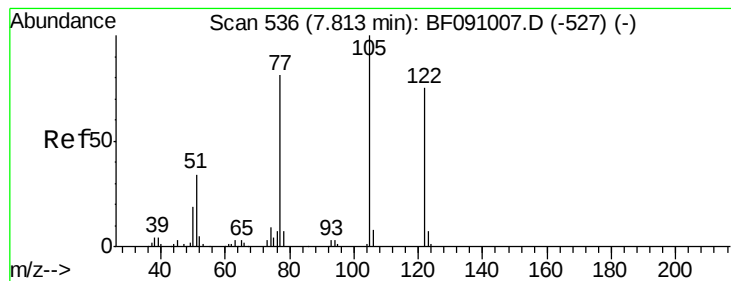
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 741262   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.3  | 8.9 13.3 |
| 54          | 8.1   | 6.2 9.2  |
| 68          | 7.3   | 5.5 8.3  |



#23  
Nitrobenzene-d5  
Concen: 73.07 ng  
RT: 7.20 min Scan# 482  
Delta R.T. -0.05 min  
Lab File: BF091225.D  
Acq: 17 Nov 2016 21:10

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 82 | Resp: | 992912     |
| Ion Ratio   | Lower | Upper      |
| 82          | 100   |            |
| 128         | 51.2  | 32.4 48.6# |
| 54          | 41.5  | 39.2 58.8  |





#32

Benzoic acid

Concen: 5.42 ng

RT: 7.76 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

Instrument :

BNA\_F

ClientSampleId :

WQ-1W

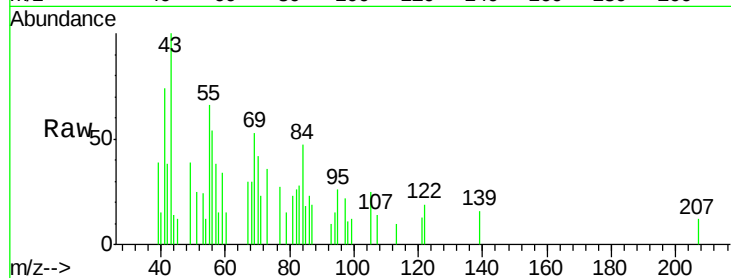
Tot Ion:122 Resp: 3156

Ion Ratio Lower Upper

122 100

105 128.2 105.9 145.9

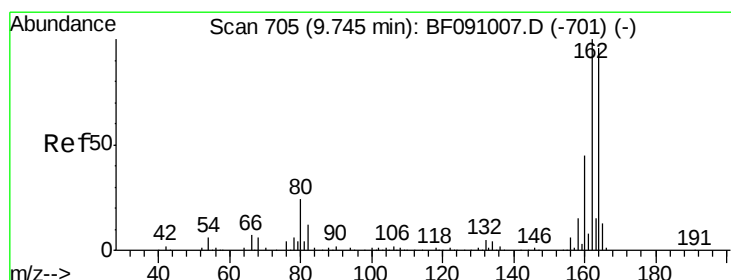
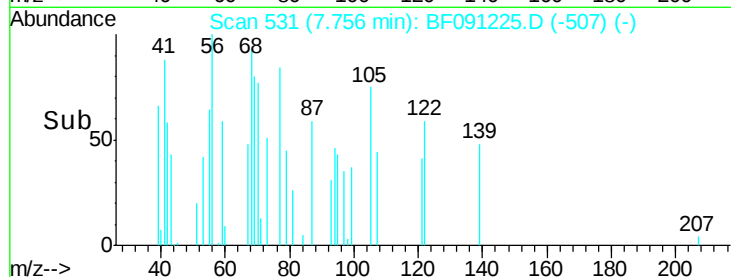
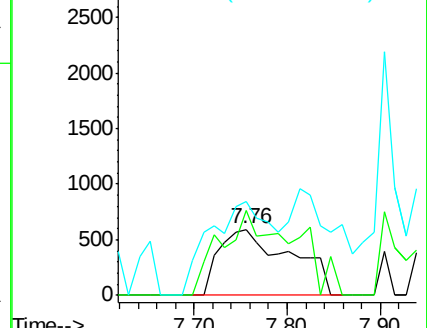
77 142.5 84.0 124.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.65 min Scan# 697

Delta R.T. -0.05 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

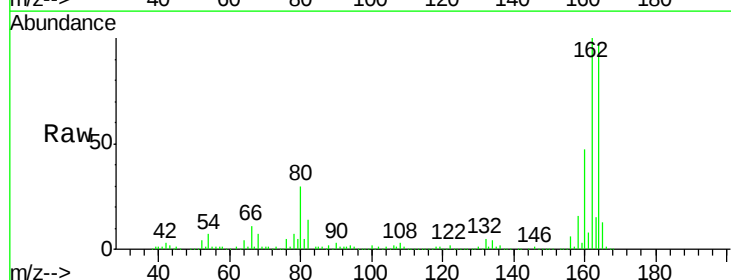
Tgt Ion:164 Resp: 404980

Ion Ratio Lower Upper

164 100

162 103.1 83.6 125.4

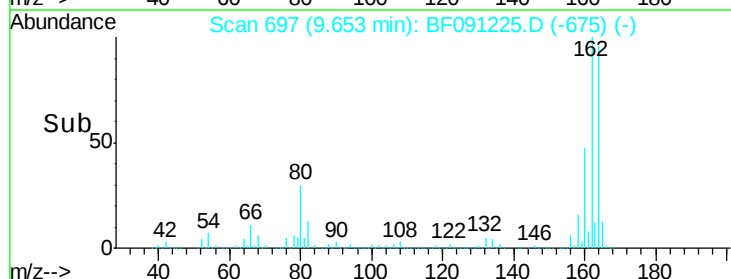
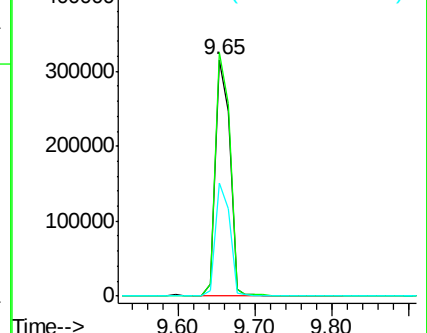
160 48.0 37.9 56.9

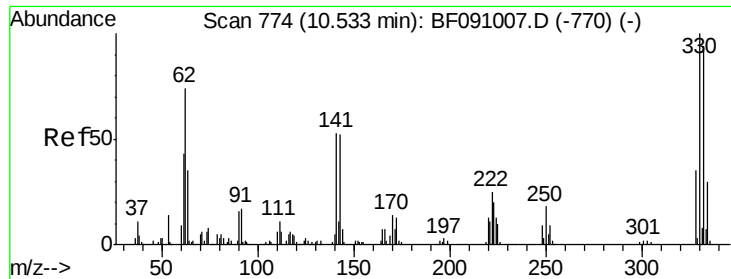


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

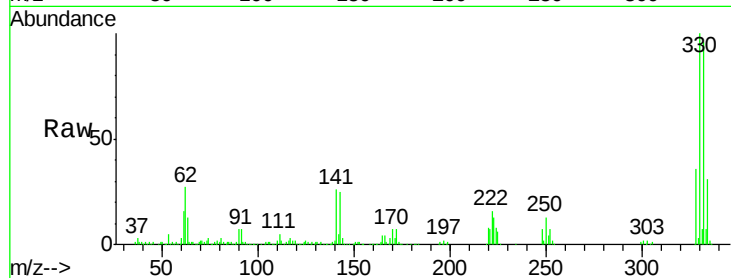




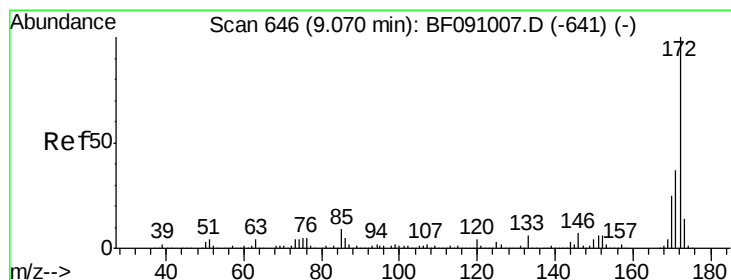
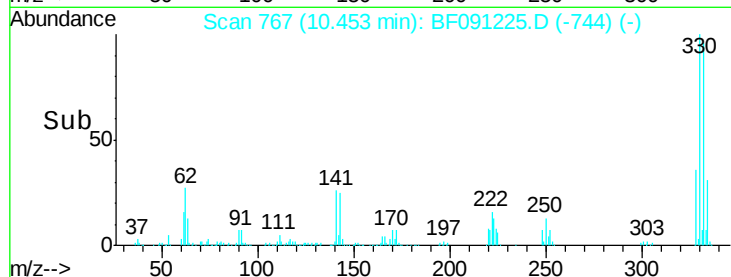
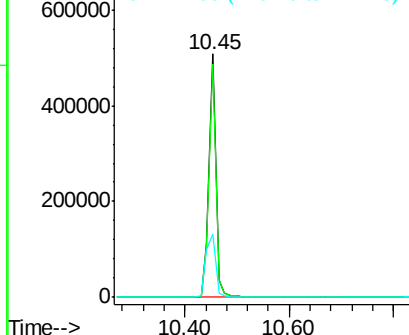
#41  
 2,4,6-Tribromophenol  
 Concen: 127.96 ng  
 RT: 10.45 min Scan# 767  
 Delta R.T. -0.03 min  
 Lab File: BF091225.D  
 Acq: 17 Nov 2016 21:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WQ-1W

Tot Ion:330 Resp: 468504  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 75.9 113.9  
 141 36.8 36.1 54.1

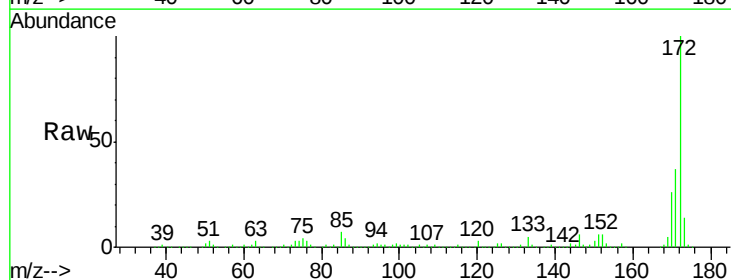


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

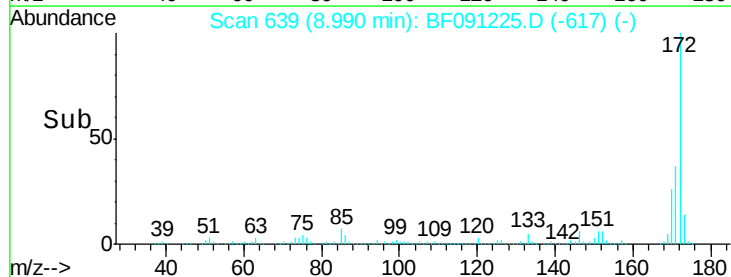
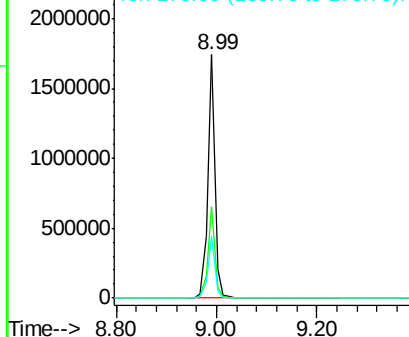


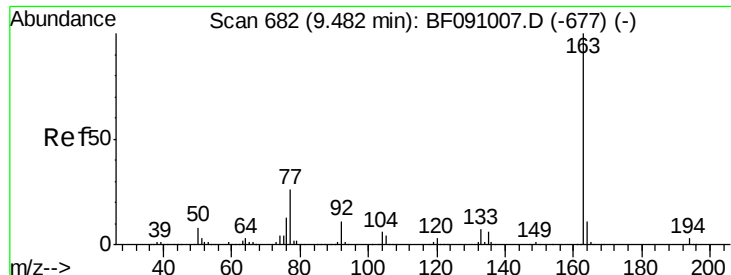
#44  
 2-Fluorobiphenyl  
 Concen: 72.96 ng  
 RT: 8.99 min Scan# 639  
 Delta R.T. -0.05 min  
 Lab File: BF091225.D  
 Acq: 17 Nov 2016 21:10

Tgt Ion:172 Resp: 1716357  
 Ion Ratio Lower Upper  
 172 100  
 171 37.5 29.8 44.6  
 170 25.5 20.3 30.5



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

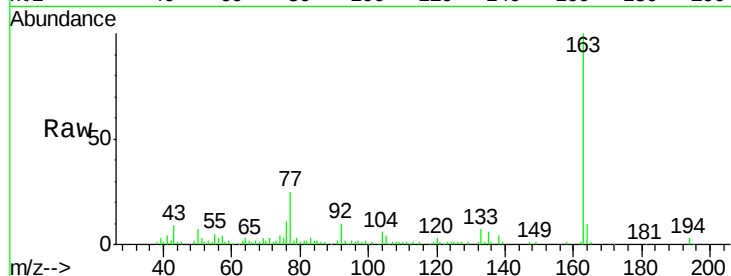




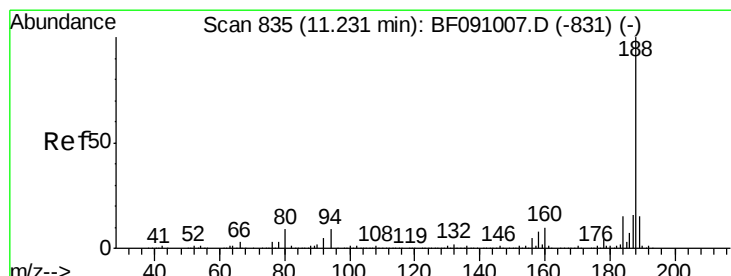
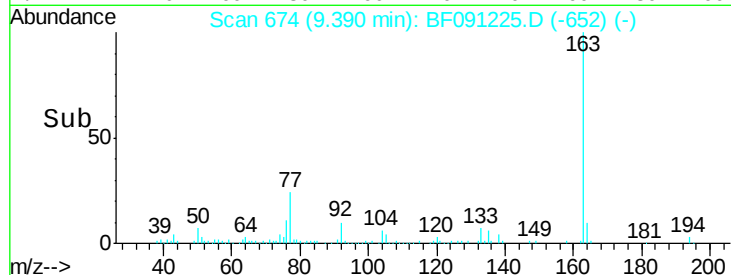
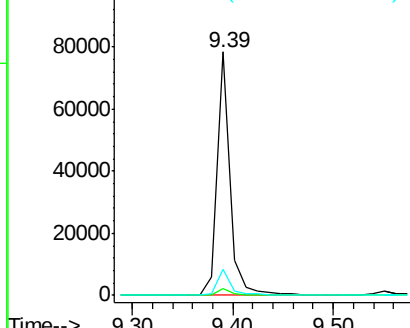
#49  
Dimethylphthalate  
Concen: 2.62 ng  
RT: 9.39 min Scan# 674  
Delta R.T. -0.05 min  
Lab File: BF091225.D  
Acq: 17 Nov 2016 21:10

Instrument :  
BNA\_F  
ClientSampleId :  
WQ-1W

Tot Ion:163 Resp: 69468  
Ion Ratio Lower Upper  
163 100  
194 2.9 2.6 4.0  
164 10.4 8.7 13.1

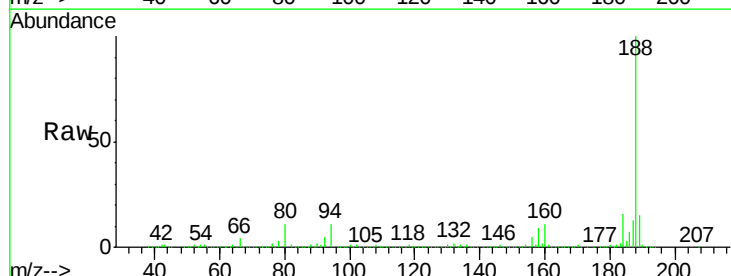


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

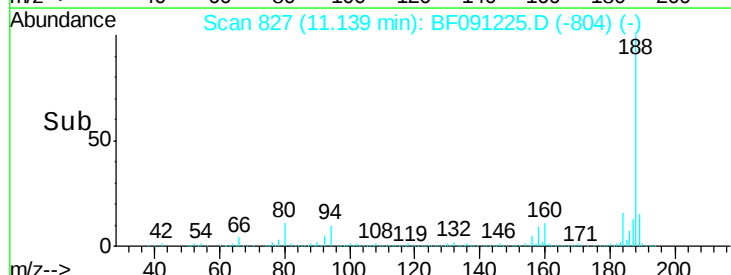
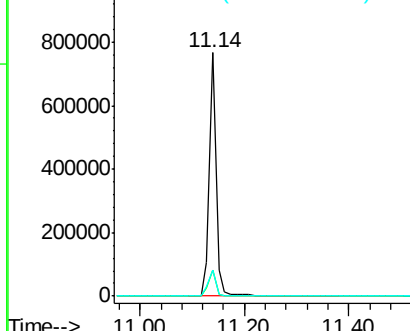


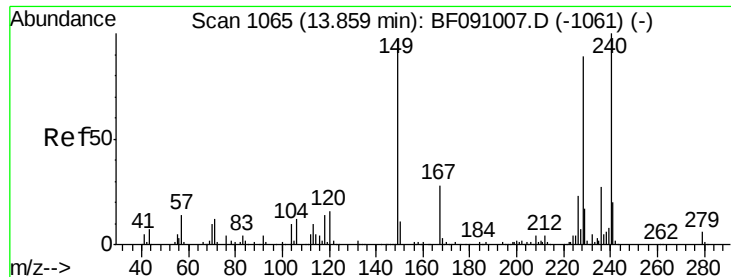
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.14 min Scan# 827  
Delta R.T. -0.03 min  
Lab File: BF091225.D  
Acq: 17 Nov 2016 21:10

Tgt Ion:188 Resp: 688485  
Ion Ratio Lower Upper  
188 100  
94 10.5 7.0 10.4#  
80 10.7 7.5 11.3



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: 20.00 ng

RT: 13.77 min Scan# 1057

Delta R.T. -0.05 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

Instrument :

BNA\_F

ClientSampleId :

WQ-1W

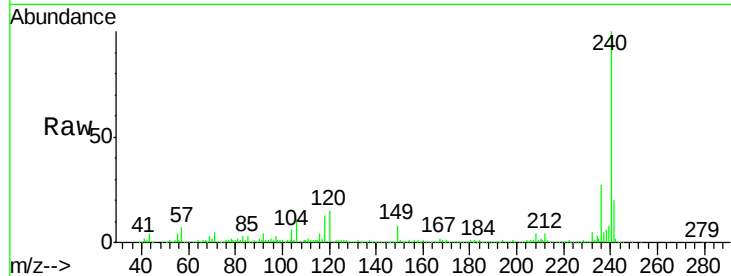
Tot Ion:240 Resp: 428523

Ion Ratio Lower Upper

240 100

120 15.2 12.9 19.3

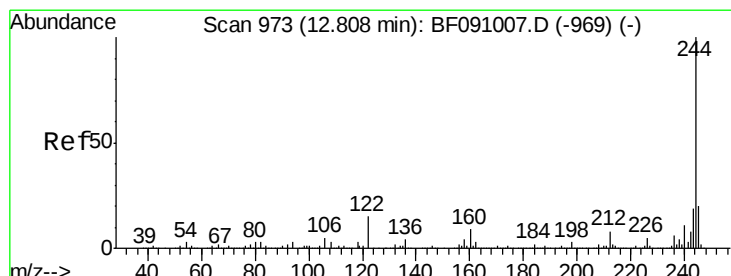
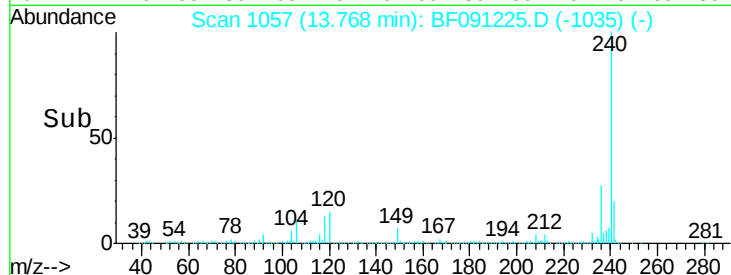
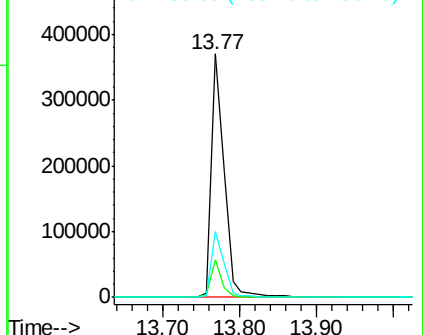
236 26.9 21.9 32.9



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: 92.32 ng

RT: 12.73 min Scan# 966

Delta R.T. -0.03 min

Lab File: BF091225.D

Acq: 17 Nov 2016 21:10

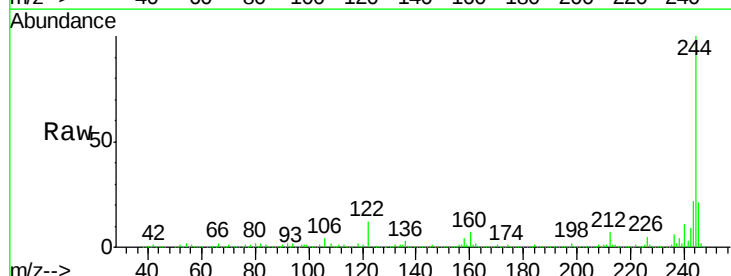
Tgt Ion:244 Resp: 1585329

Ion Ratio Lower Upper

244 100

212 7.3 6.4 9.6

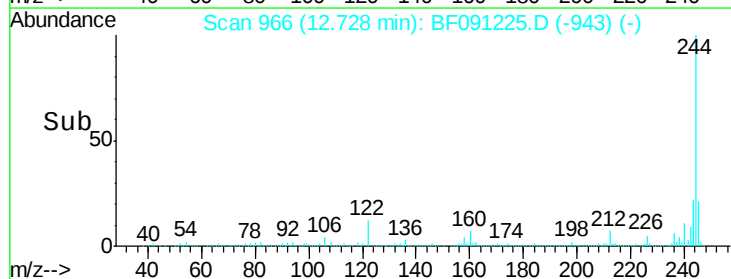
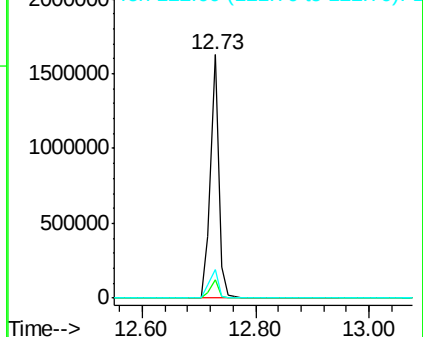
122 11.6 12.3 18.5#

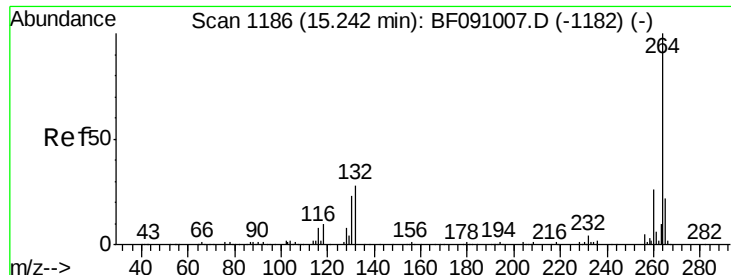


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

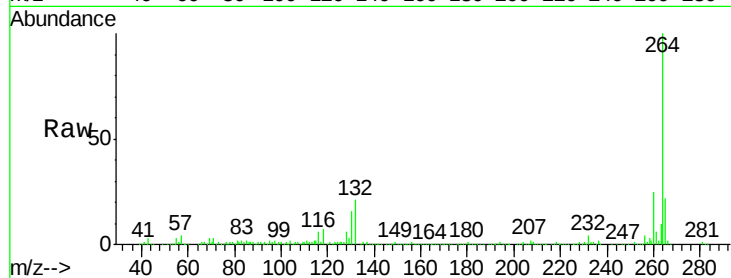




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.14 min Scan# 1177  
 Delta R.T. -0.05 min  
 Lab File: BF091225.D  
 Acq: 17 Nov 2016 21:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WQ-1W

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.1  | 20.6  | 30.8  |
| 265     | 21.6  | 17.8  | 26.8  |



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

