

Data Path : Z:\HPCHEM1\BNA F\Data\BF102516\Not Reviewed Data\  
 Data File : BF090832.D  
 Acq On : 26 Oct 2016 2:32  
 Operator : UM/SJ  
 Sample : H5396-05 2X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P3-S1

Quant Time: Oct 26 08:48:42 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 21 17:36:31 2016  
 Response via : Initial Calibration

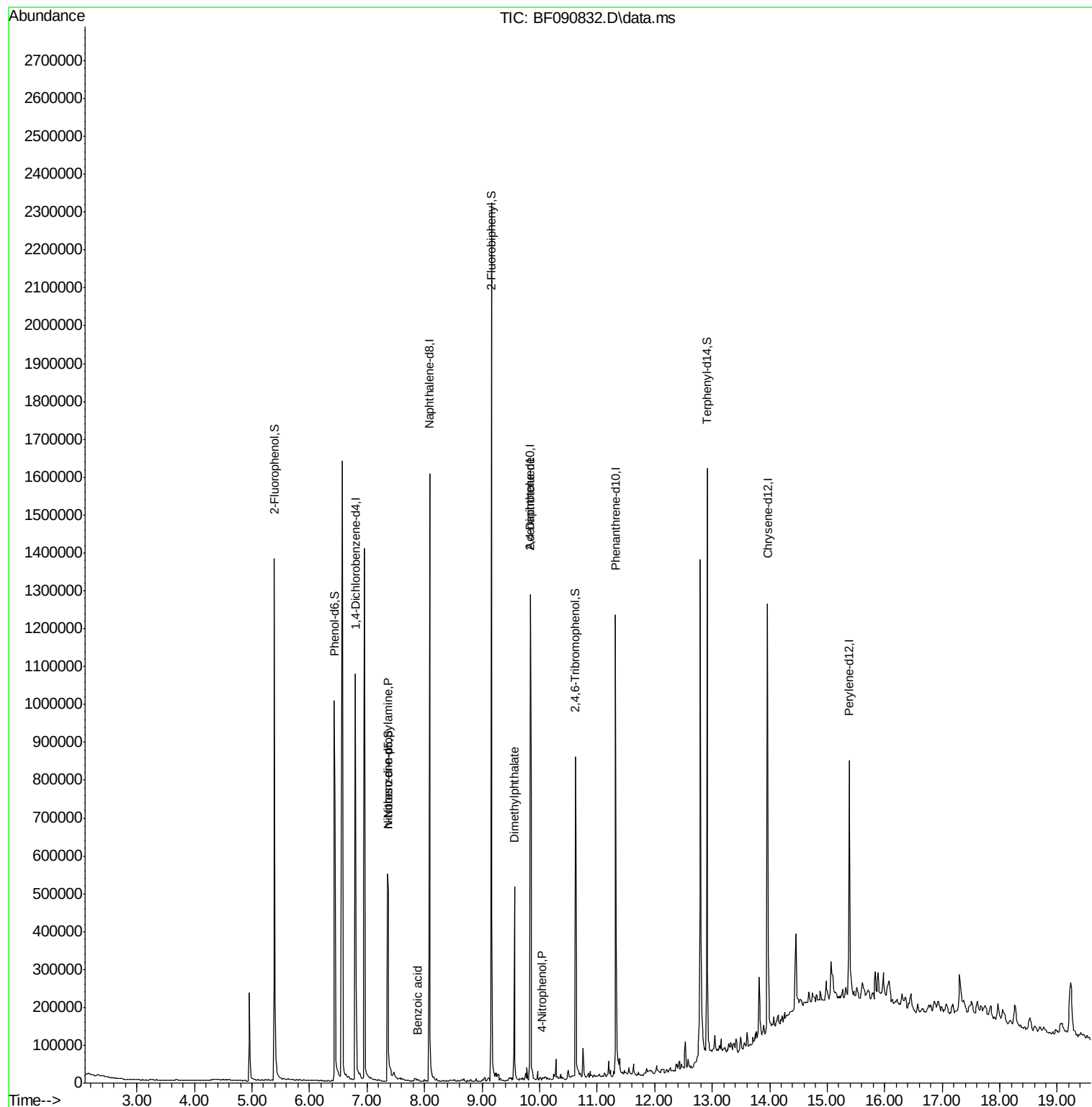
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min)       |
|-------------------------------|--------|------|----------|-------|-------|----------------|
| -----                         |        |      |          |       |       |                |
| Internal Standards            |        |      |          |       |       |                |
| 1) 1,4-Dichlorobenzene-d4     | 6.796  | 152  | 187875   | 20.00 | ng    | -0.07          |
| 21) Naphthalene-d8            | 8.087  | 136  | 769713   | 20.00 | ng    | -0.06          |
| 38) Acenaphthene-d10          | 9.836  | 164  | 348742   | 20.00 | ng    | -0.07          |
| 63) Phenanthrene-d10          | 11.322 | 188  | 481339   | 20.00 | ng    | -0.07          |
| 75) Chrysene-d12              | 13.962 | 240  | 394092   | 20.00 | ng    | -0.06          |
| 86) Perylene-d12              | 15.380 | 264  | 342189   | 20.00 | ng    | -0.08          |
| System Monitoring Compounds   |        |      |          |       |       |                |
| 5) 2-Fluorophenol             | 5.390  | 112  | 453692   | 38.95 | ng    | -0.07          |
| 7) Phenol-d6                  | 6.430  | 99   | 594862   | 37.70 | ng    | -0.07          |
| 23) Nitrobenzene-d5           | 7.356  | 82   | 345570   | 24.62 | ng    | -0.07          |
| 41) 2,4,6-Tribromophenol      | 10.625 | 330  | 111034   | 40.23 | ng    | -0.07          |
| 44) 2-Fluorobiphenyl          | 9.162  | 172  | 716981   | 31.92 | ng    | -0.07          |
| 78) Terphenyl-d14             | 12.911 | 244  | 494146   | 28.74 | ng    | -0.06          |
| Target Compounds              |        |      |          |       |       |                |
| 19) n-Nitroso-di-n-propyla... | 7.356  | 70   | 42168    | 3.59  | ng    | Qvalue<br># 54 |
| 32) Benzoic acid              | 7.870  | 122  | 570      | 7.61  | ng    | # 31           |
| 49) Dimethylphthalate         | 9.562  | 163  | 213089   | 9.72  | ng    | # 97           |
| 55) 4-Nitrophenol             | 10.042 | 139  | 857      | 6.17  | ng    | # 25           |
| 56) 2,4-Dinitrotoluene        | 9.836  | 165  | 44927    | 7.80  | ng    | # 33           |
| -----                         |        |      |          |       |       |                |

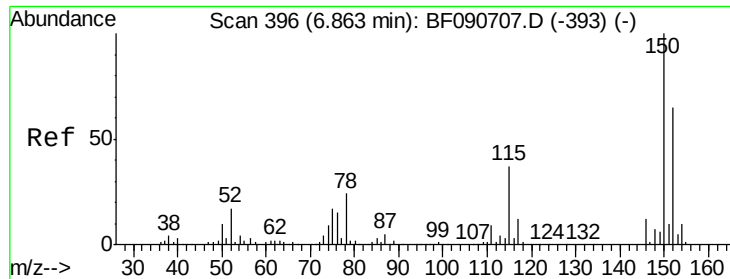
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.796 min Scan# 41

Delta R.T. -0.067 min

Lab File: BF090832.D

Acq: 26 Oct 2016 2:32

Instrument :

BNA\_F

ClientSampleId :

P3-S1

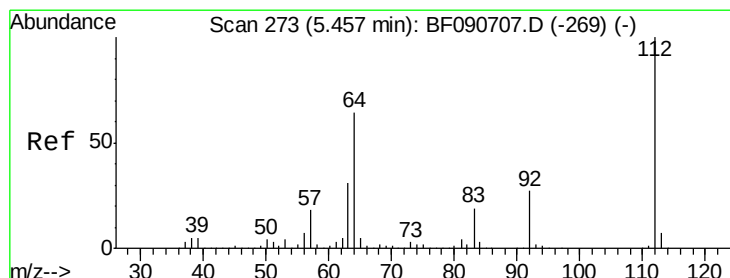
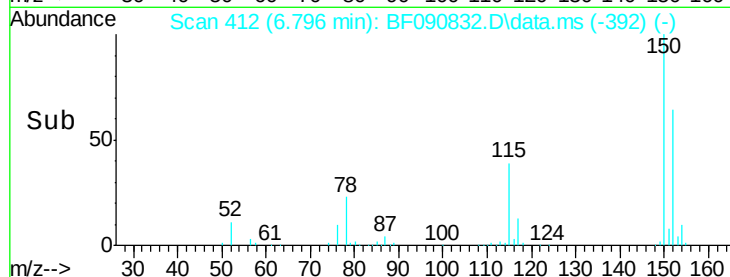
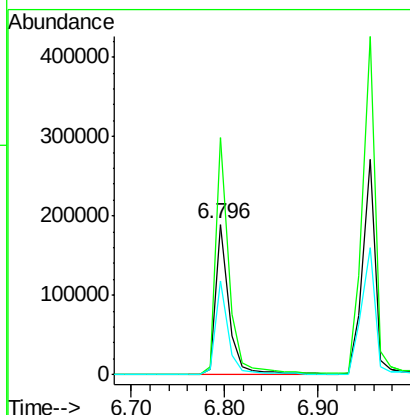
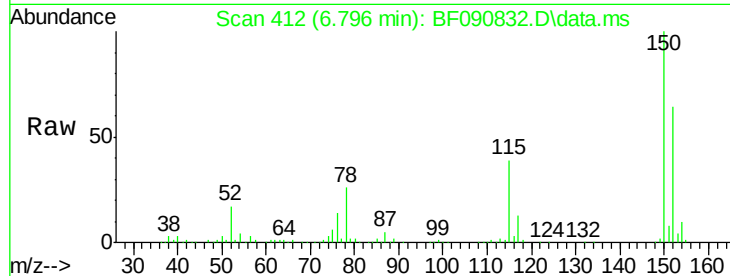
Tot Ion:152 Resp: 187875

Ion Ratio Lower Upper

152 100

150 157.5 124.7 187.1

115 61.9 39.0 58.4#



#5

2-Fluorophenol

Concen: 38.95 ng

RT: 5.390 min Scan# 289

Delta R.T. -0.067 min

Lab File: BF090832.D

Acq: 26 Oct 2016 2:32

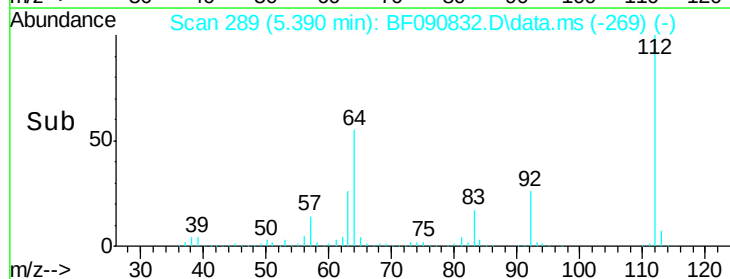
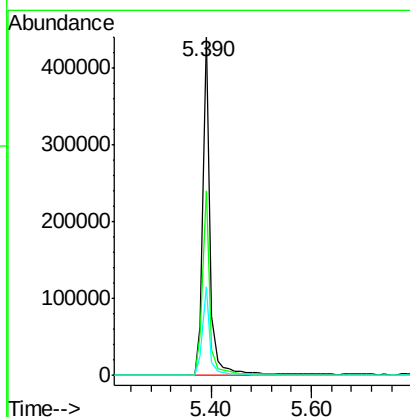
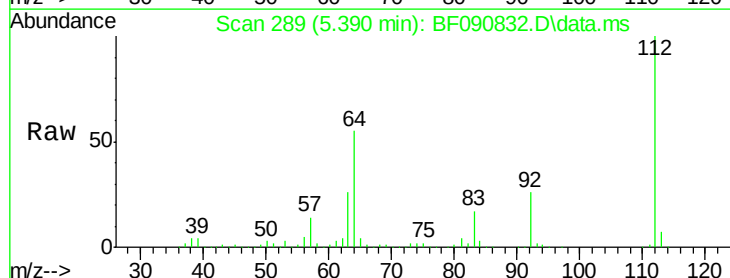
Tgt Ion:112 Resp: 453692

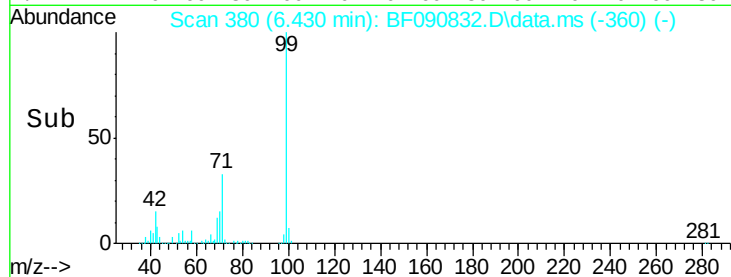
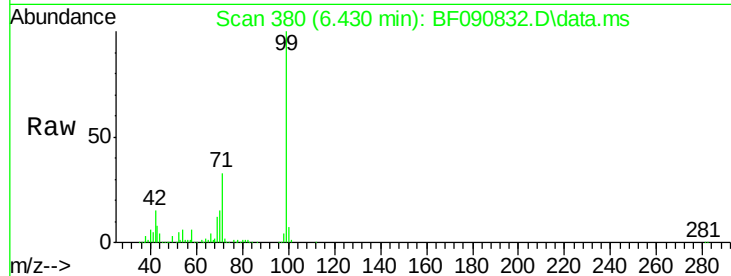
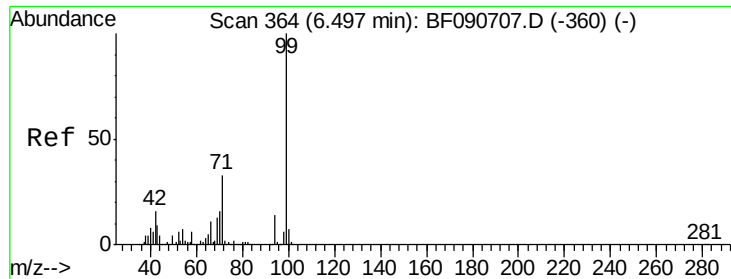
Ion Ratio Lower Upper

112 100

64 54.7 39.7 59.5

63 26.3 17.4 26.0#





#7

Phenol-d6

Concen: 37.70 ng

RT: 6.430 min Scan# 38

Delta R.T. -0.067 min

Lab File: BF090832.D

Acq: 26 Oct 2016 2:32

Instrument :

BNA\_F

ClientSampleId :

P3-S1

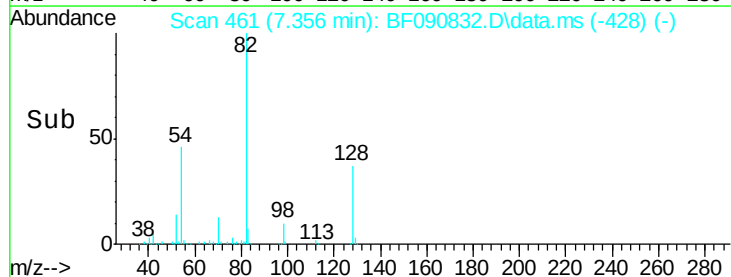
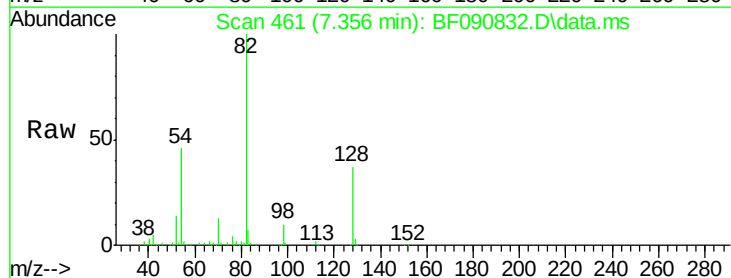
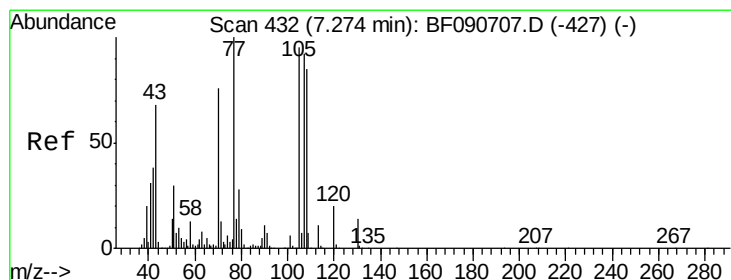
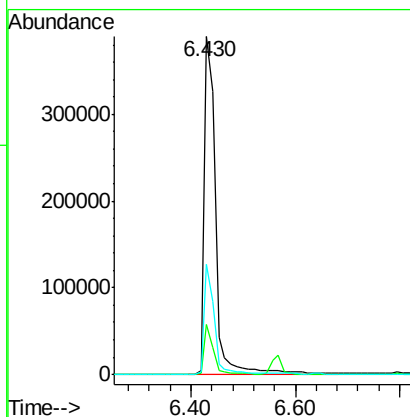
Tot Ion: 99 Resp: 594862

Ion Ratio Lower Upper

99 100

42 14.9 13.7 20.5

71 32.8 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 3.59 ng

RT: 7.356 min Scan# 461

Delta R.T. 0.082 min

Lab File: BF090832.D

Acq: 26 Oct 2016 2:32

Tgt Ion: 70 Resp: 42168

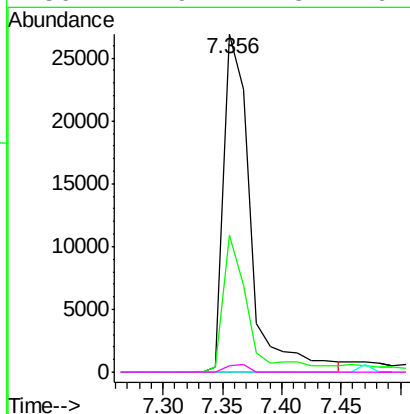
Ion Ratio Lower Upper

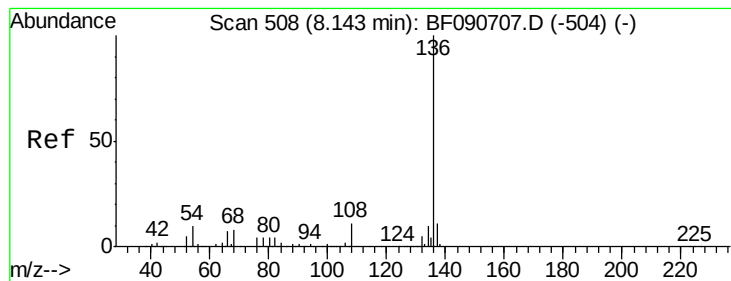
70 100

42 40.7 63.8 95.6#

101 0.0 9.2 13.8#

130 1.9 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.087 min Scan# 52

Delta R.T. -0.056 min

Lab File: BF090832.D

Acq: 26 Oct 2016 2:32

Instrument :

BNA\_F

ClientSampleId :

P3-S1

Tot Ion:136 Resp: 769713

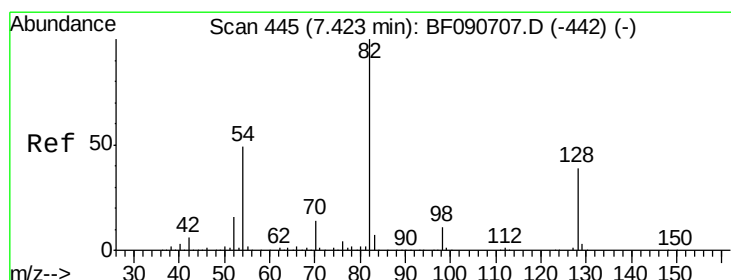
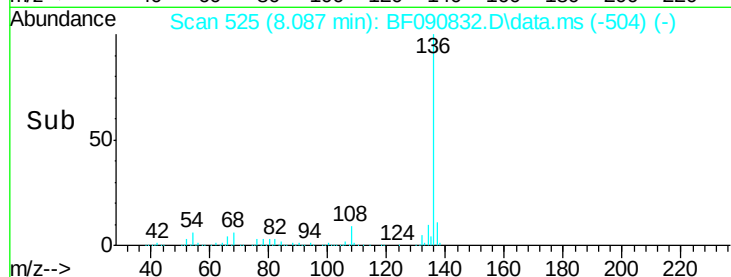
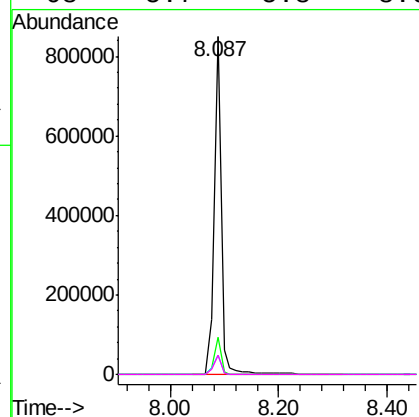
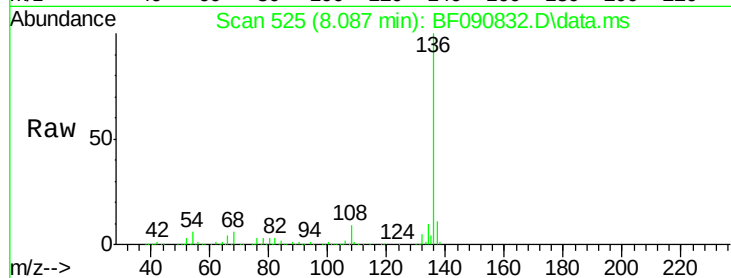
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 5.7 8.2 12.2#

68 5.7 5.8 8.6#



#23

Nitrobenzene-d5

Concen: 24.62 ng

RT: 7.356 min Scan# 461

Delta R.T. -0.067 min

Lab File: BF090832.D

Acq: 26 Oct 2016 2:32

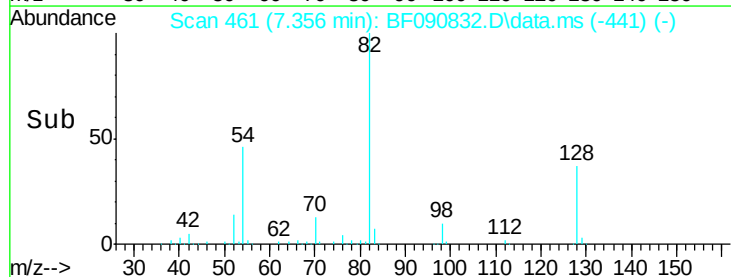
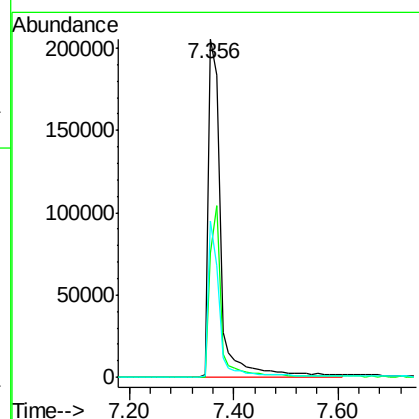
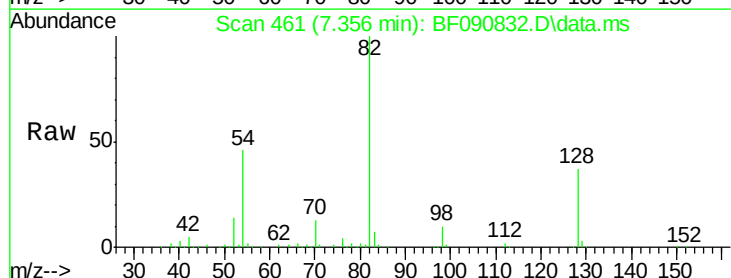
Tgt Ion: 82 Resp: 345570

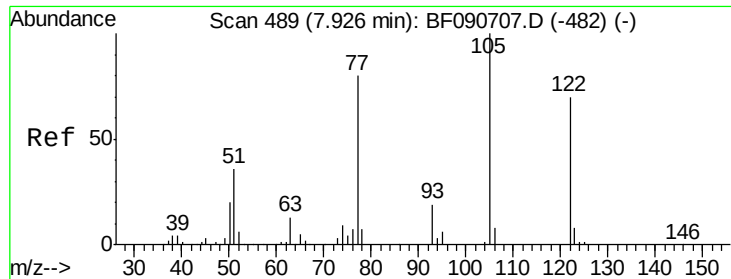
Ion Ratio Lower Upper

82 100

128 36.7 51.0 76.6#

54 46.3 47.5 71.3#

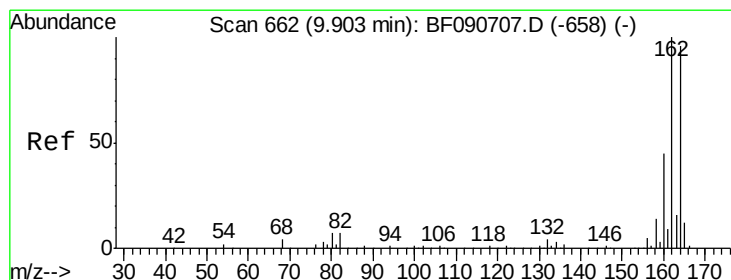
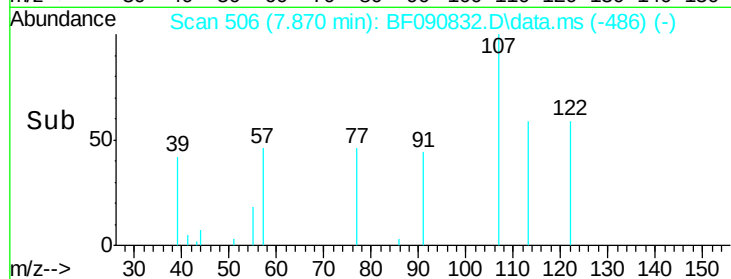
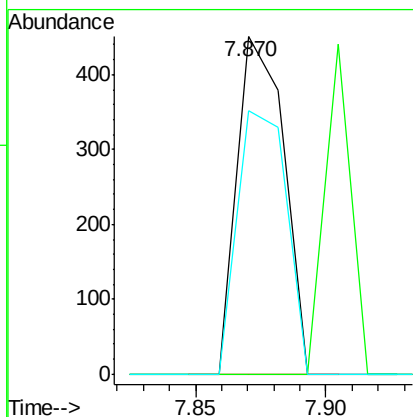
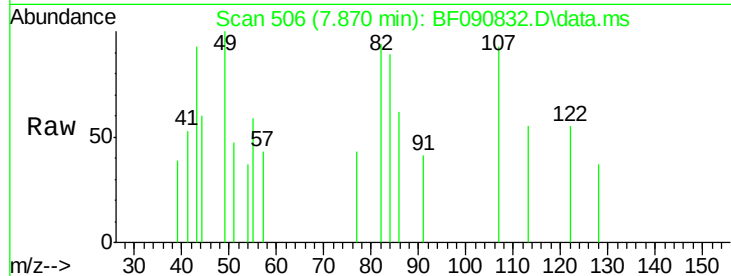




#32  
Benzoic acid  
Concen: 7.61 ng  
RT: 7.870 min Scan# 50  
Delta R.T. -0.067 min  
Lab File: BF090832.D  
Acq: 26 Oct 2016 2:32

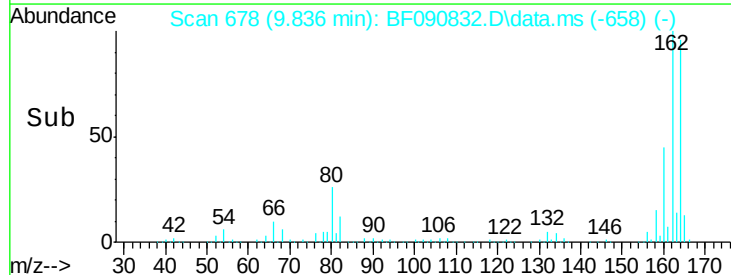
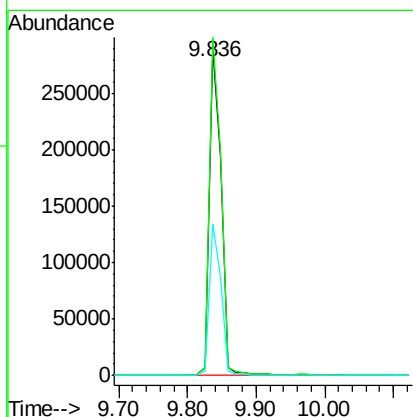
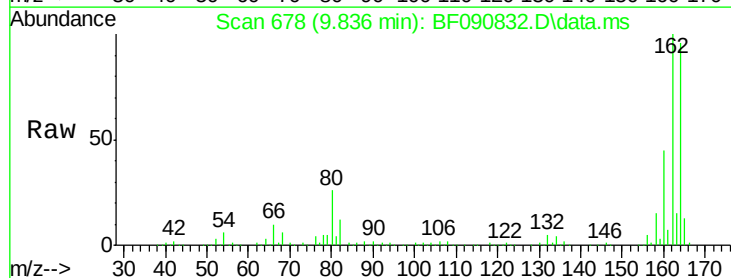
Instrument :  
BNA\_F  
ClientSampleId :  
P3-S1

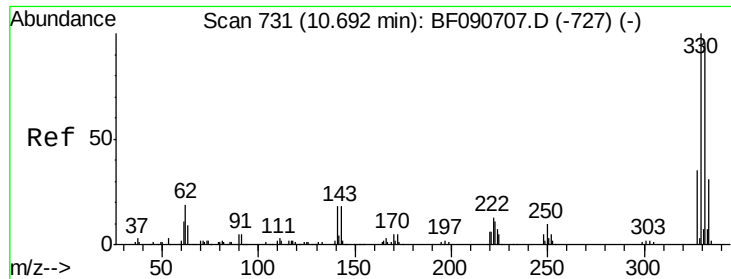
Tot Ion:122 Resp: 570  
Ion Ratio Lower Upper  
122 100  
105 0.0 76.1 116.1#  
77 78.0 40.5 80.5



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.836 min Scan# 678  
Delta R.T. -0.067 min  
Lab File: BF090832.D  
Acq: 26 Oct 2016 2:32

Tgt Ion:164 Resp: 348742  
Ion Ratio Lower Upper  
164 100  
162 103.7 75.2 112.8  
160 46.5 31.5 47.3

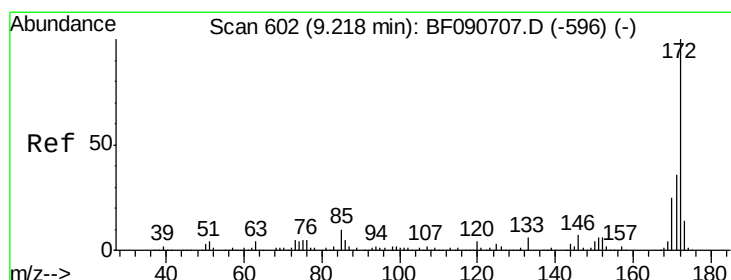
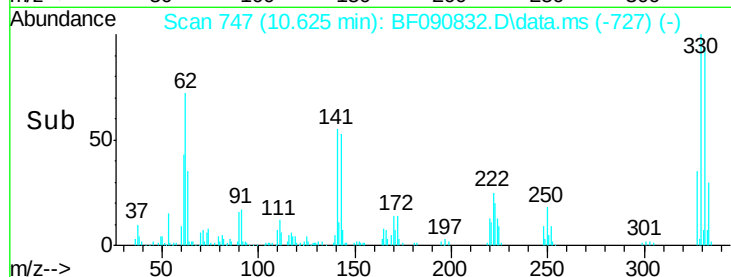
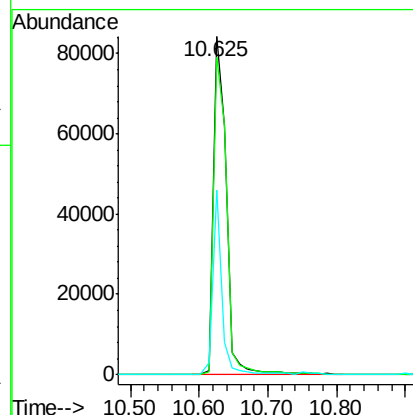
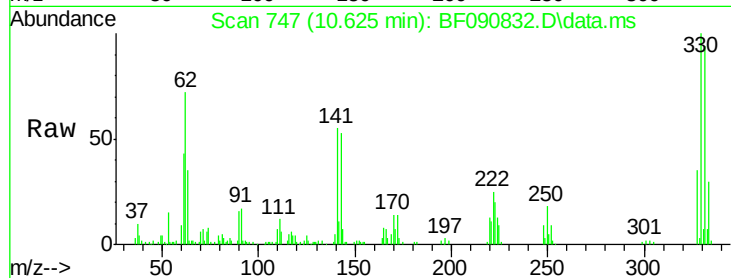




#41  
 2,4,6-Tribromophenol  
 Concen: 40.23 ng  
 RT: 10.625 min Scan# 74  
 Delta R.T. -0.066 min  
 Lab File: BF090832.D  
 Acq: 26 Oct 2016 2:32

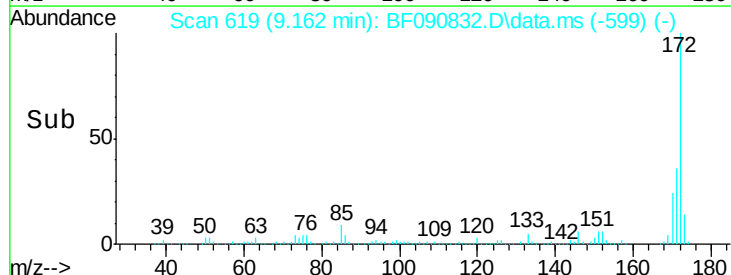
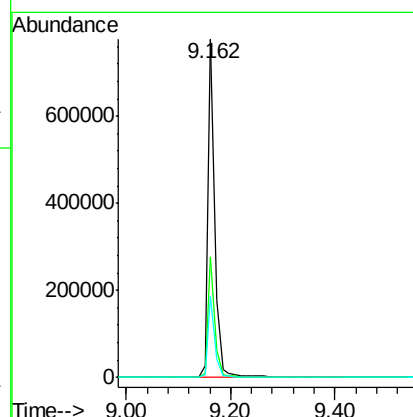
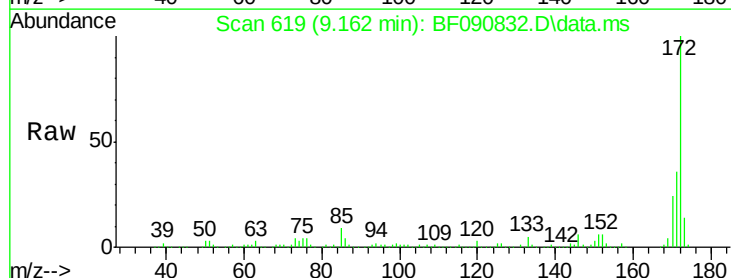
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P3-S1

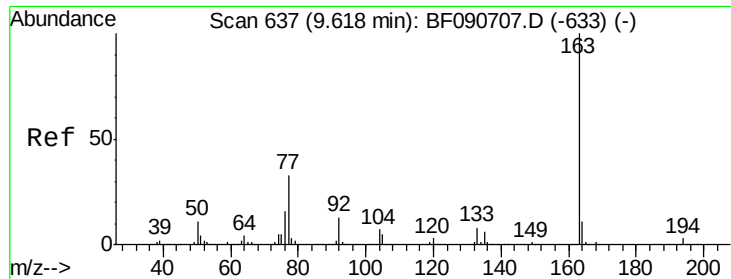
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.4  | 76.6  | 114.8 |
| 141     | 38.5  | 29.7  | 44.5  |



#44  
 2-Fluorobiphenyl  
 Concen: 31.92 ng  
 RT: 9.162 min Scan# 619  
 Delta R.T. -0.066 min  
 Lab File: BF090832.D  
 Acq: 26 Oct 2016 2:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 26.1  | 39.1  |
| 170     | 24.1  | 17.4  | 26.2  |





#49

Dimethylphthalate

Concen: 9.72 ng

RT: 9.562 min Scan# 65

Delta R.T. -0.067 min

Lab File: BF090832.D

Acq: 26 Oct 2016 2:32

Instrument :

BNA\_F

ClientSampleId :

P3-S1

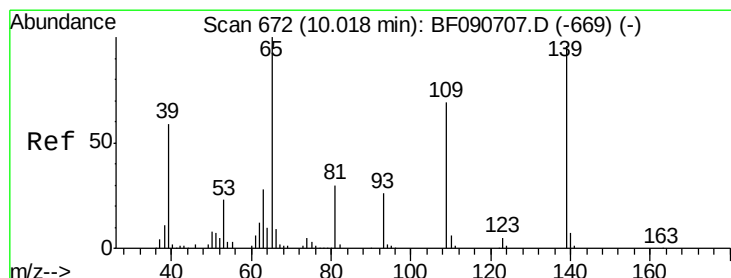
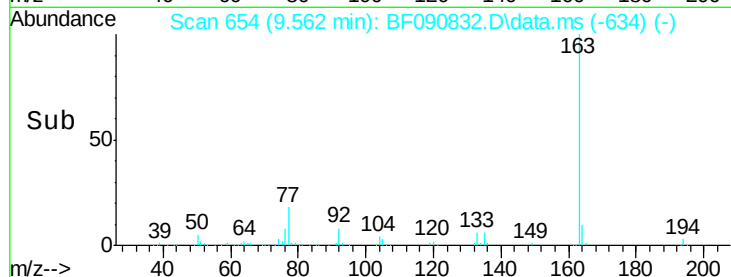
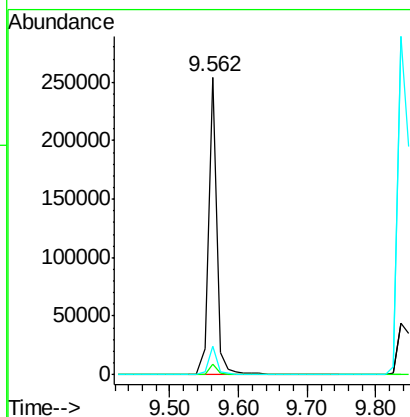
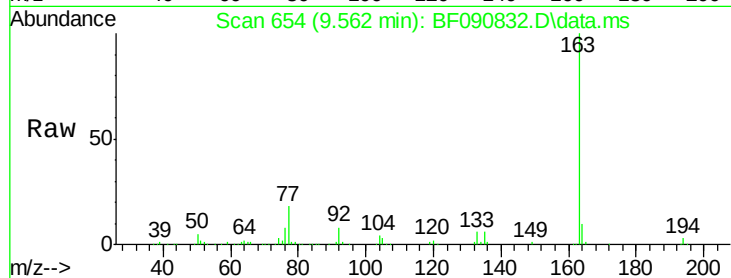
Tot Ion:163 Resp: 213089

Ion Ratio Lower Upper

163 100

194 3.4 4.4 6.6#

164 9.7 8.3 12.5



#55

4-Nitrophenol

Concen: 6.17 ng

RT: 10.042 min Scan# 696

Delta R.T. 0.025 min

Lab File: BF090832.D

Acq: 26 Oct 2016 2:32

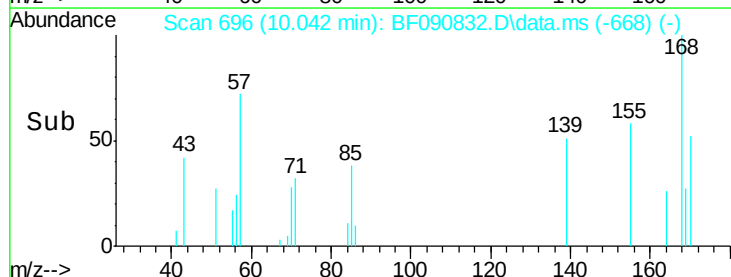
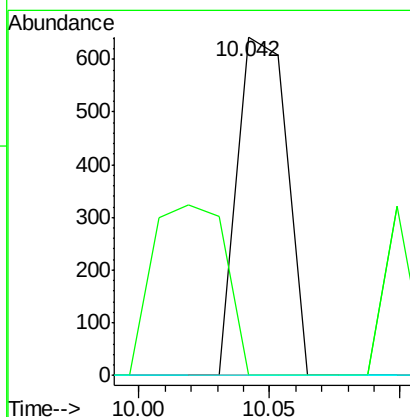
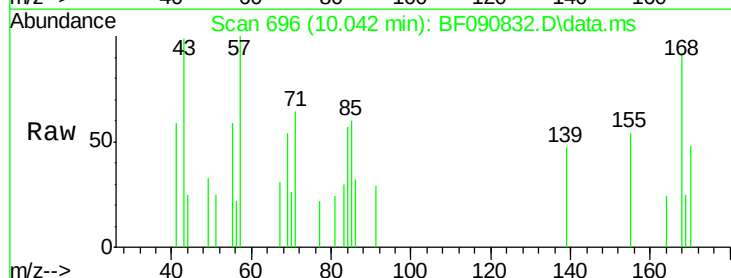
Tgt Ion:139 Resp: 857

Ion Ratio Lower Upper

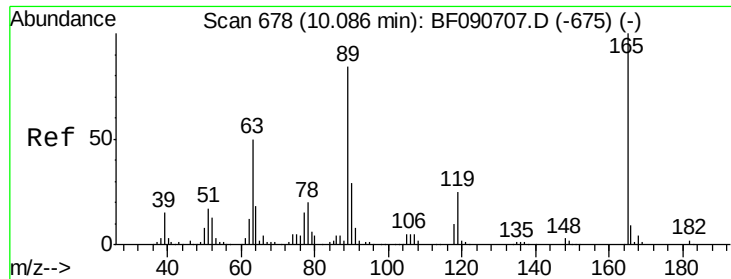
139 100

109 0.0 12.7 52.7#

65 0.0 45.9 85.9#



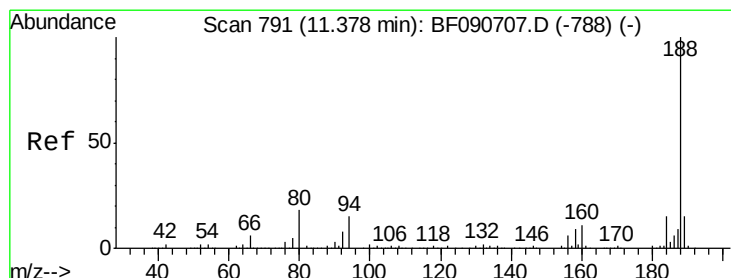
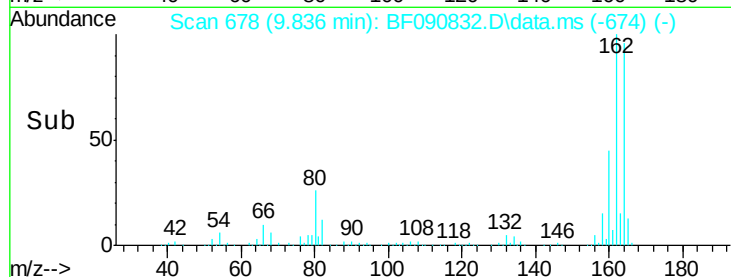
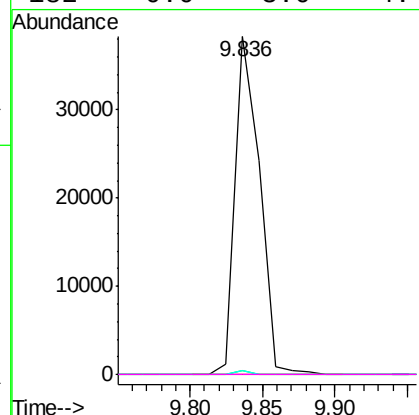
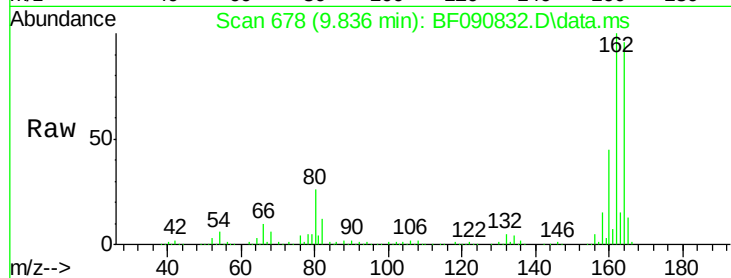




#56  
2,4-Dinitrotoluene  
Concen: 7.80 ng  
RT: 9.836 min Scan# 67  
Delta R.T. -0.250 min  
Lab File: BF090832.D  
Acq: 26 Oct 2016 2:32

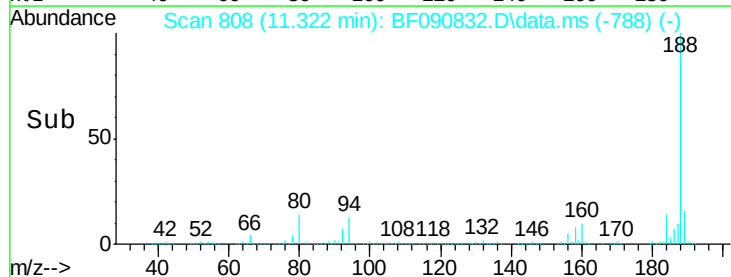
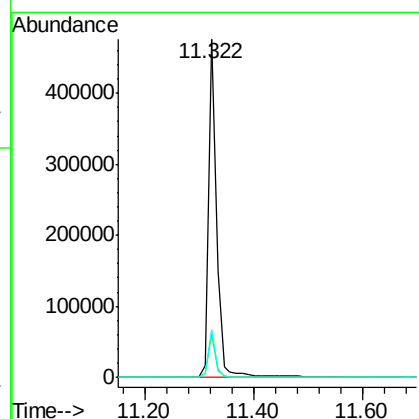
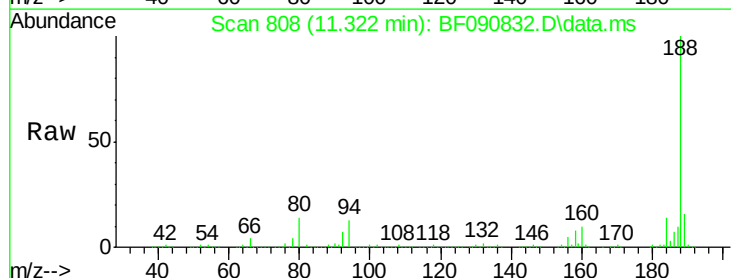
Instrument :  
BNA\_F  
ClientSampleId :  
P3-S1

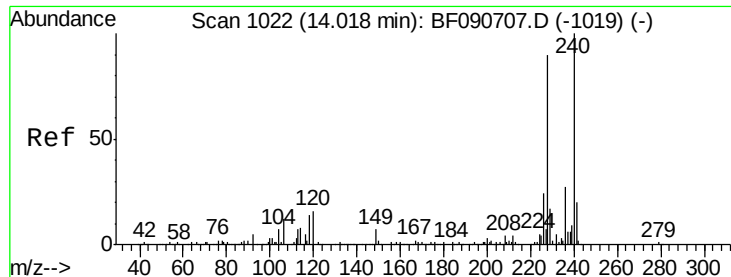
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.0   | 29.8  | 44.6# |
| 89      | 1.0   | 44.5  | 66.7# |
| 182     | 0.0   | 3.0   | 4.4#  |



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.322 min Scan# 808  
Delta R.T. -0.067 min  
Lab File: BF090832.D  
Acq: 26 Oct 2016 2:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 12.8  | 11.1  | 16.7  |
| 80      | 14.0  | 11.0  | 16.4  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.962 min Scan# 10

Delta R.T. -0.056 min

Lab File: BF090832.D

Acq: 26 Oct 2016 2:32

Instrument :

BNA\_F

ClientSampleId :

P3-S1

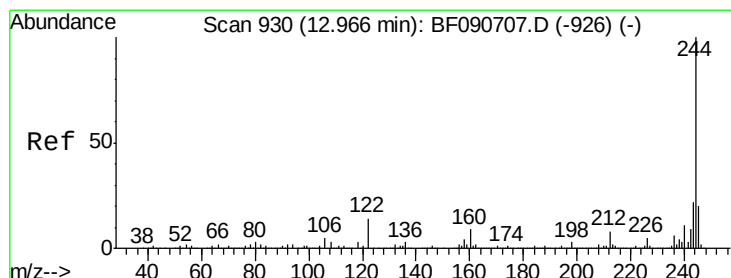
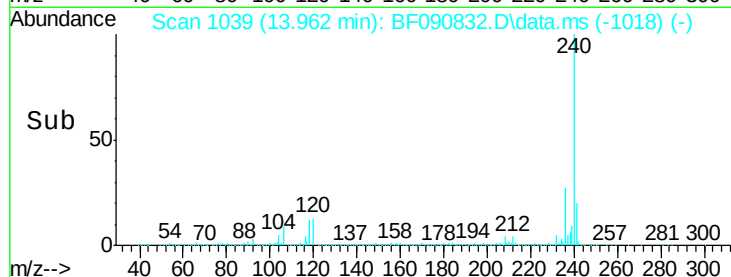
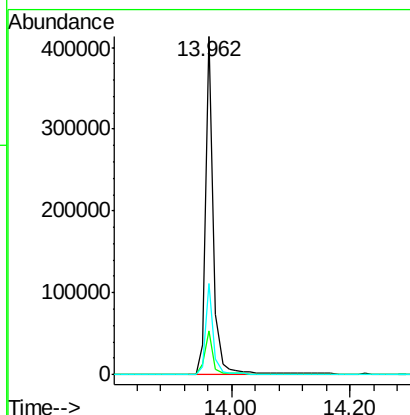
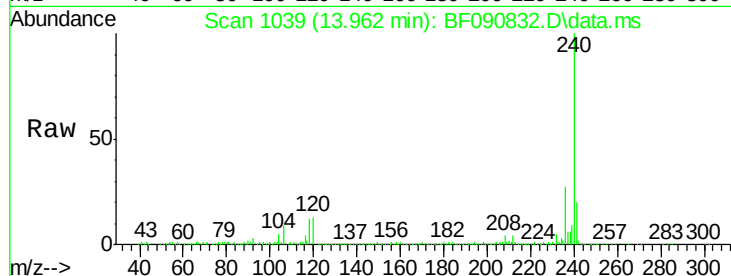
Tot Ion:240 Resp: 394092

Ion Ratio Lower Upper

240 100

120 12.8 16.2 24.2#

236 26.8 18.4 27.6



#78

Terphenyl-d14

Concen: 28.74 ng

RT: 12.911 min Scan# 947

Delta R.T. -0.055 min

Lab File: BF090832.D

Acq: 26 Oct 2016 2:32

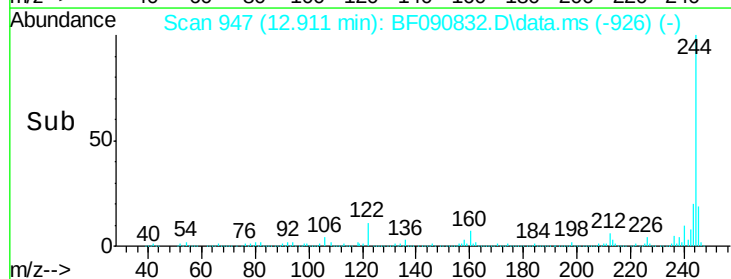
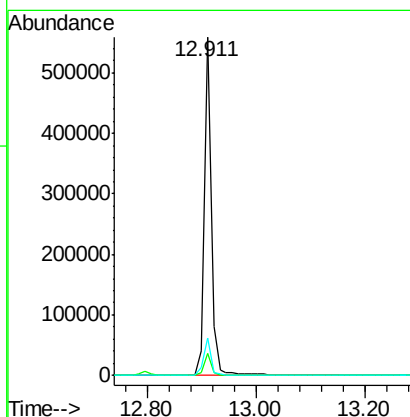
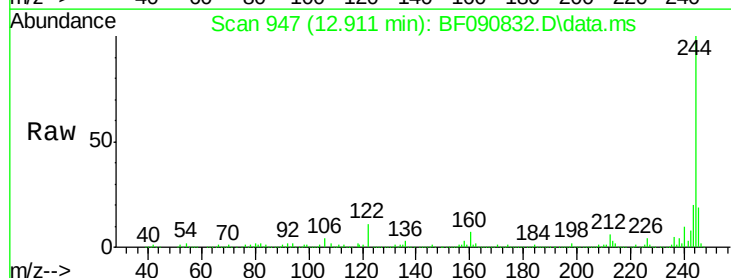
Tgt Ion:244 Resp: 494146

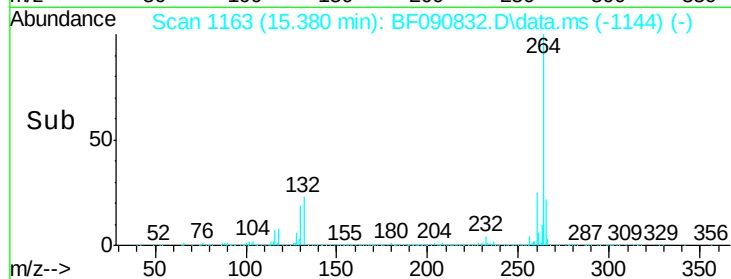
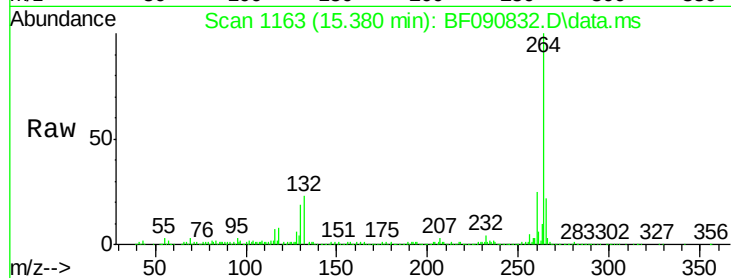
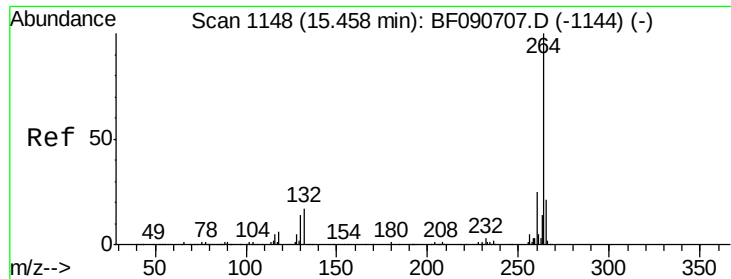
Ion Ratio Lower Upper

244 100

212 6.5 4.3 6.5#

122 11.2 17.4 26.2#





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.380 min Scan# 11  
 Delta R.T. -0.079 min  
 Lab File: BF090832.D  
 Acq: 26 Oct 2016 2:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P3-S1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 16.7  | 25.1  |
| 265     | 22.4  | 17.2  | 25.8  |

