

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF030617\  
 Data File : BF093408.D  
 Acq On : 6 Mar 2017 18:40  
 Operator : SJ/MA  
 Sample : I2056-20 2X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 19B-19

Quant Time: Mar 06 23:55:39 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 17:31:55 2017  
 Response via : Initial Calibration

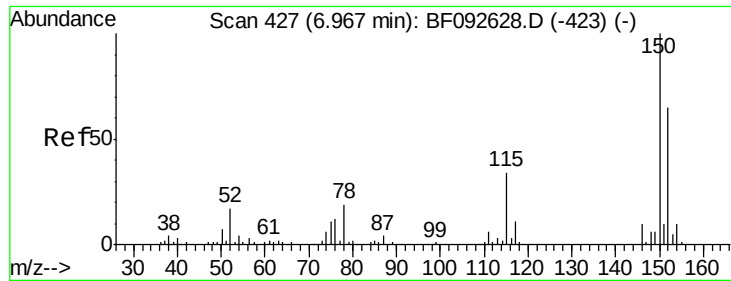
| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.78  | 152  | 166155   | 20.00 | ng    | -0.07    |
| 21) Naphthalene-d8        | 8.06  | 136  | 568071   | 20.00 | ng    | -0.09    |
| 38) Acenaphthene-d10      | 9.82  | 164  | 213815   | 20.00 | ng    | -0.07    |
| 63) Phenanthrene-d10      | 11.30 | 188  | 302729   | 20.00 | ng    | -0.07    |
| 75) Chrysene-d12          | 13.96 | 240  | 278993   | 20.00 | ng    | -0.06    |
| 86) Perylene-d12          | 15.39 | 264  | 246908   | 20.00 | ng    | -0.06    |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.36  | 112 | 506548 | 52.30 | ng | -0.09 |
| 7) Phenol-d6                | 6.42  | 99  | 614536 | 49.32 | ng | -0.06 |
| 23) Nitrobenzene-d5         | 7.34  | 82  | 344195 | 33.74 | ng | -0.09 |
| 41) 2,4,6-Tribromophenol    | 10.61 | 330 | 63288  | 40.92 | ng | -0.07 |
| 44) 2-Fluorobiphenyl        | 9.13  | 172 | 497608 | 42.16 | ng | -0.09 |
| 78) Terphenyl-d14           | 12.88 | 244 | 286161 | 24.10 | ng | -0.09 |

|                                |       |     |        |       |    |        |
|--------------------------------|-------|-----|--------|-------|----|--------|
| Target Compounds               |       |     |        |       |    | Qvalue |
| 18) Hexachloroethane           | 7.34  | 117 | 83763  | 19.37 | ng | # 3    |
| 19) n-Nitroso-di-n-propylamine | 7.19  | 70  | 30001  | 3.78  | ng | # 70   |
| 25) Isophorone                 | 7.58  | 82  | 82493  | 4.34  | ng | # 1    |
| 32) Benzoic acid               | 7.85  | 122 | 9909   | 8.87  | ng | # 23   |
| 35) Caprolactam                | 8.49  | 113 | 75922  | 29.60 | ng | # 1    |
| 47) 2-Nitroaniline             | 9.20  | 65  | 11943  | 2.93  | ng | # 91   |
| 49) Dimethylphthalate          | 9.53  | 163 | 86814  | 6.03  | ng | # 88   |
| 50) 2,6-Dinitrotoluene         | 9.58  | 165 | 20011  | 6.43  | ng | # 62   |
| 52) 3-Nitroaniline             | 9.76  | 138 | 28024  | 7.87  | ng | # 25   |
| 53) 2,4-Dinitrophenol          | 9.89  | 184 | 1322   | 5.52  | ng | # 1    |
| 55) 4-Nitrophenol              | 9.93  | 139 | 8815   | 3.44  | ng | # 1    |
| 56) 2,4-Dinitrotoluene         | 10.01 | 165 | 27430  | 6.62  | ng | # 58   |
| 57) Fluorene                   | 10.37 | 166 | 86697  | 6.74  | ng | # 71   |
| 61) 4-Nitroaniline             | 10.26 | 138 | 25253  | 6.93  | ng | # 85   |
| 64) 4,6-Dinitro-2-methylphenol | 10.46 | 198 | 3900   | 4.67  | ng | # 1    |
| 65) n-Nitrosodiphenylamine     | 10.47 | 169 | 130041 | 13.45 | ng | # 47   |
| 69) Pentachlorophenol          | 11.10 | 266 | 887    | 7.70  | ng | # 1    |
| 70) Phenanthrene               | 11.33 | 178 | 86128  | 4.97  | ng | # 71   |
| 71) Anthracene                 | 11.42 | 178 | 53297  | 3.06  | ng | # 1    |
| 74) Fluoranthene               | 12.52 | 202 | 80826  | 4.52  | ng | # 79   |
| 77) Pyrene                     | 12.75 | 202 | 170228 | 8.15  | ng | # 91   |
| 80) Benzo(a)anthracene         | 13.98 | 228 | 168098 | 9.85  | ng | # 50   |
| 82) Chrysene                   | 13.98 | 228 | 168098 | 10.52 | ng | # 57   |
| 87) Benzo(b)fluoranthene       | 14.97 | 252 | 64556  | 3.97  | ng | # 1    |
| 88) Benzo(k)fluoranthene       | 14.97 | 252 | 62357  | 4.44  | ng | # 1    |
| 89) Benzo(a)pyrene             | 15.33 | 252 | 43420  | 3.09  | ng | # 1    |
| 91) Benzo(g,h,i)perylene       | 17.20 | 276 | 30634  | 2.67  | ng | # 44   |

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



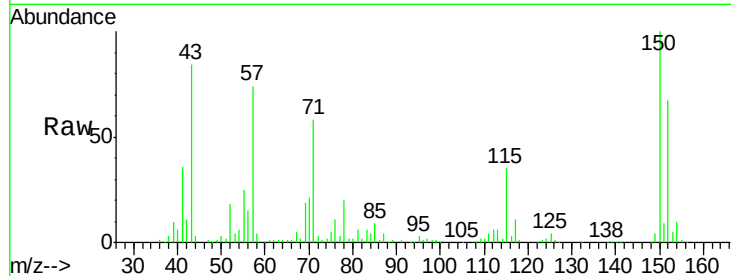


#1

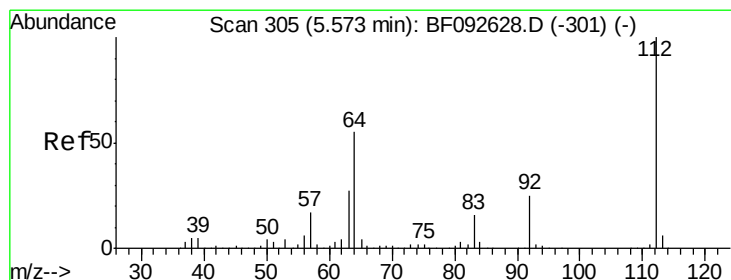
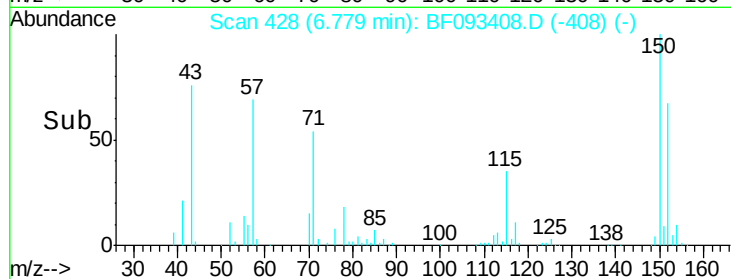
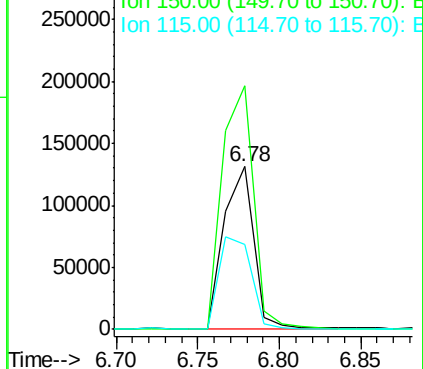
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.78 min Scan# 428  
Delta R.T. -0.07 min  
Lab File: BF093408.D  
Acq: 6 Mar 2017 18:40

Instrument :  
BNA\_F  
ClientSampled :  
19B-19

Tgt Ion:152 Resp: 166155  
Ion Ratio Lower Upper  
152 100  
150 149.9 124.9 187.3  
115 52.2 46.0 69.0



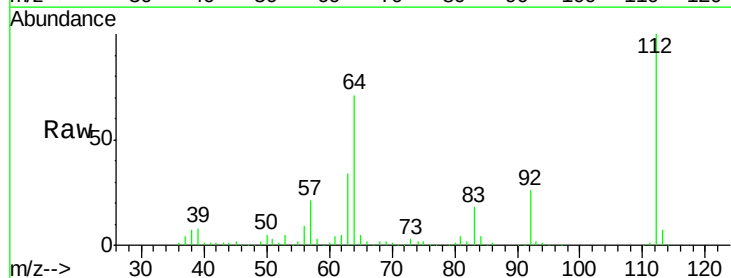
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



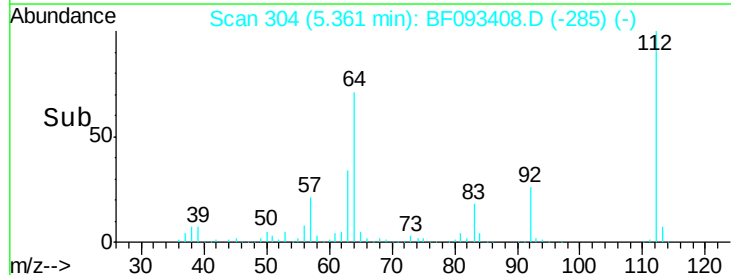
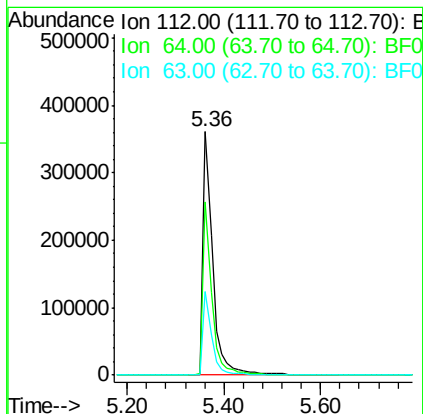
#5

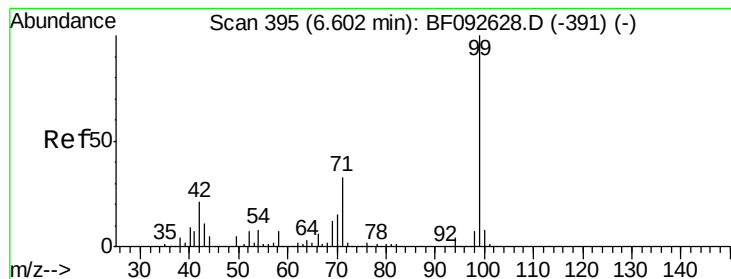
2-Fluorophenol  
Concen: 52.30 ng  
RT: 5.36 min Scan# 304  
Delta R.T. -0.09 min  
Lab File: BF093408.D  
Acq: 6 Mar 2017 18:40

Tgt Ion:112 Resp: 506548  
Ion Ratio Lower Upper  
112 100  
64 71.1 46.1 69.1#  
63 34.3 23.8 35.6



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: 49.32 ng

RT: 6.42 min Scan# 397

Delta R.T. -0.06 min

Lab File: BF093408.D

Acq: 6 Mar 2017 18:40

Instrument :

BNA\_F

ClientSampleId :

19B-19

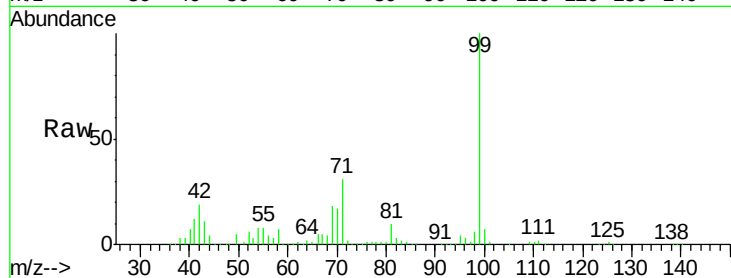
Tgt Ion: 99 Resp: 614536

Ion Ratio Lower Upper

99 100

42 19.0 15.6 23.4

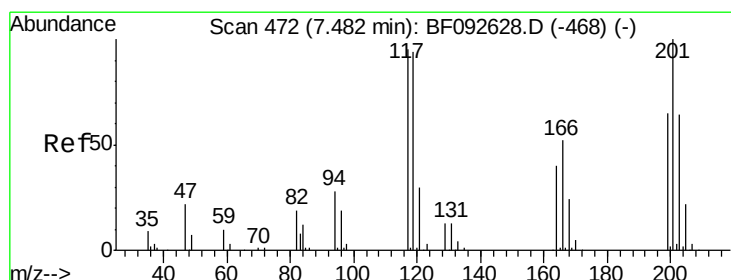
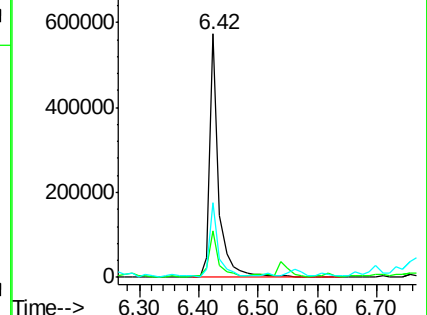
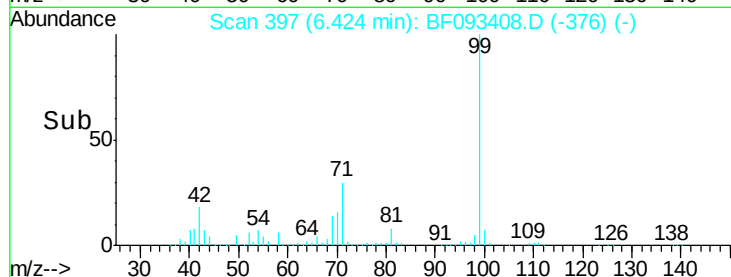
71 30.7 27.5 41.3



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



#18

Hexachloroethane

Concen: 19.37 ng

RT: 7.34 min Scan# 477

Delta R.T. -0.03 min

Lab File: BF093408.D

Acq: 6 Mar 2017 18:40

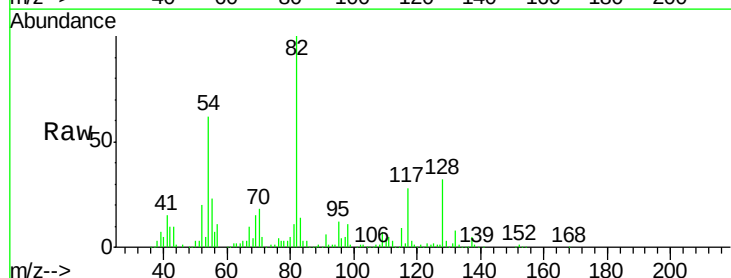
Tgt Ion: 117 Resp: 83763

Ion Ratio Lower Upper

117 100

119 3.8 78.1 117.1#

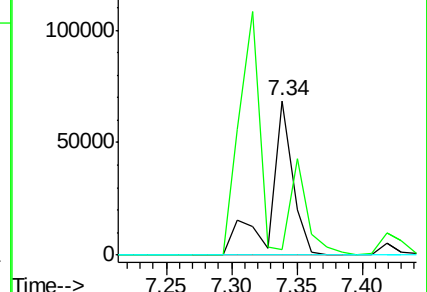
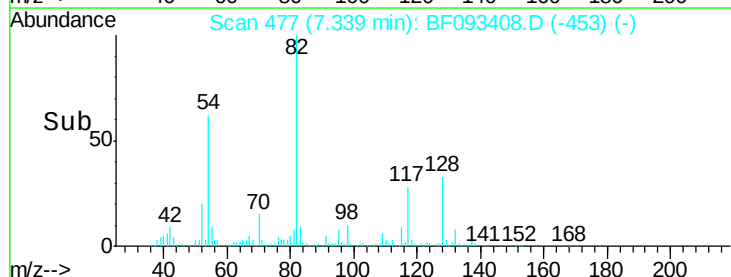
201 0.0 78.6 117.8#

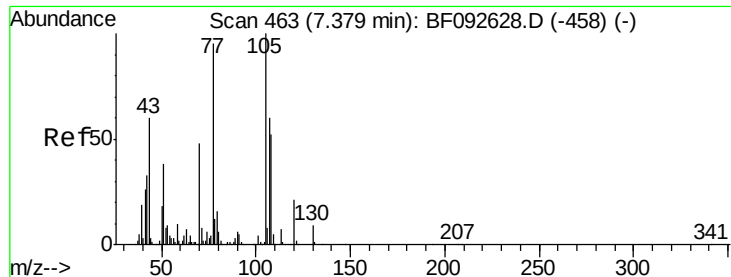


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

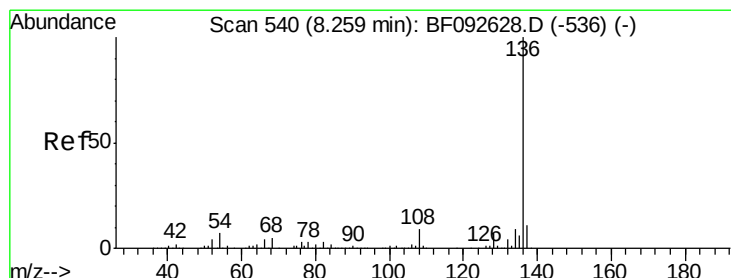
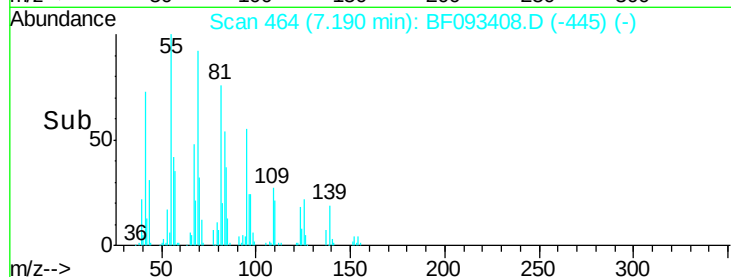
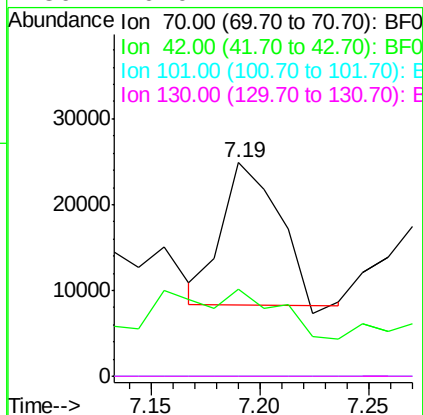
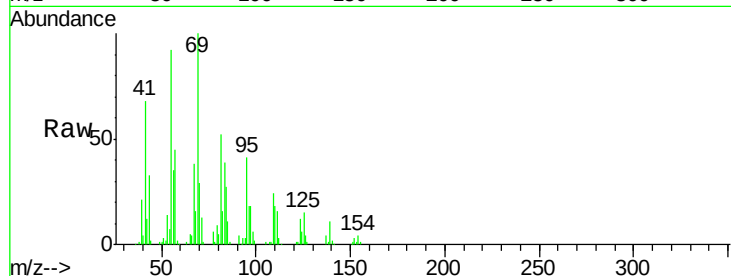




#19  
n-Nitroso-di-n-propylamine  
Concen: 3.78 ng  
RT: 7.19 min Scan# 464  
Delta R.T. -0.09 min  
Lab File: BF093408.D  
Acq: 6 Mar 2017 18:40

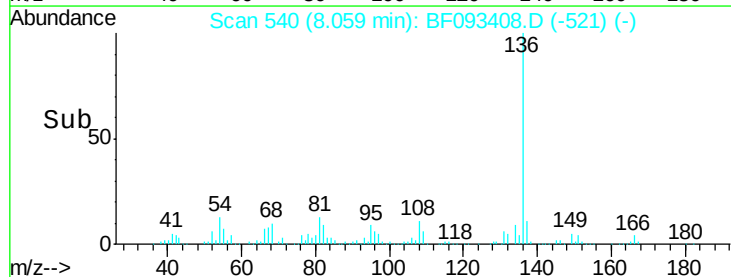
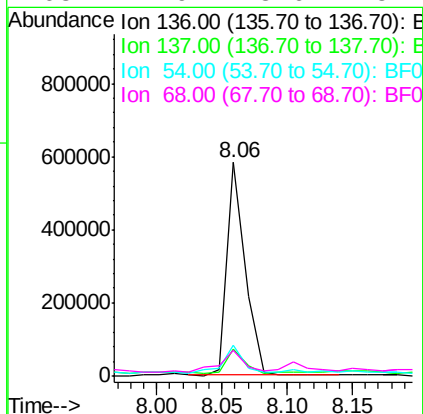
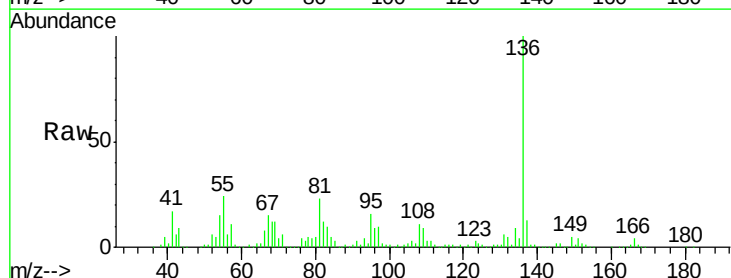
Instrument :  
BNA\_F  
ClientSampled :  
19B-19

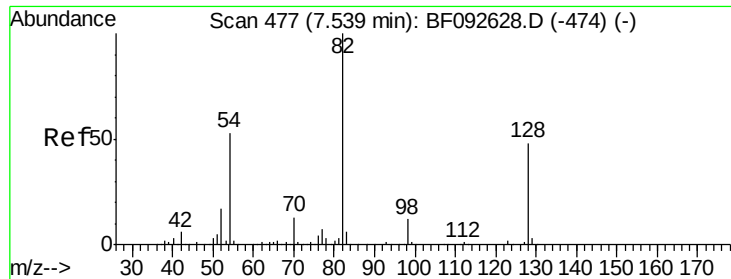
Tgt Ion: 70 Resp: 30001  
Ion Ratio Lower Upper  
70 100  
42 40.9 49.4 74.0#  
101 0.0 7.4 11.2#  
130 0.0 14.2 21.4#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.06 min Scan# 540  
Delta R.T. -0.09 min  
Lab File: BF093408.D  
Acq: 6 Mar 2017 18:40

Tgt Ion: 136 Resp: 568071  
Ion Ratio Lower Upper  
136 100  
137 12.5 8.4 12.6  
54 14.5 4.5 6.7#  
68 11.9 3.6 5.4#

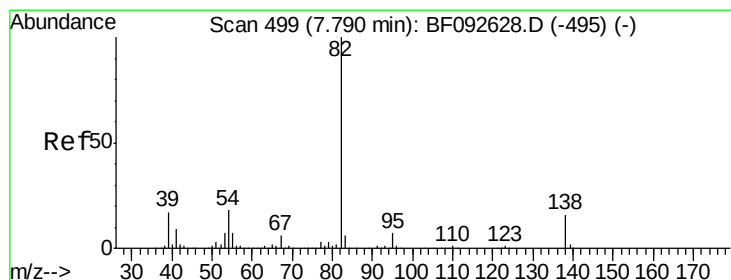
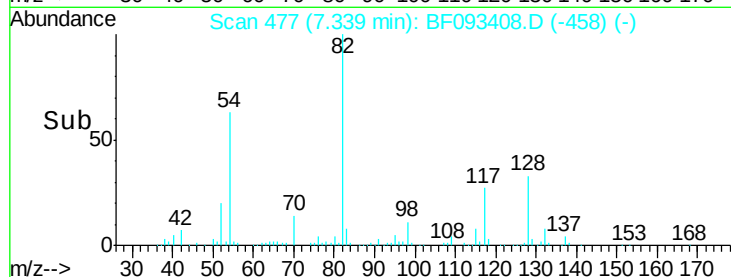
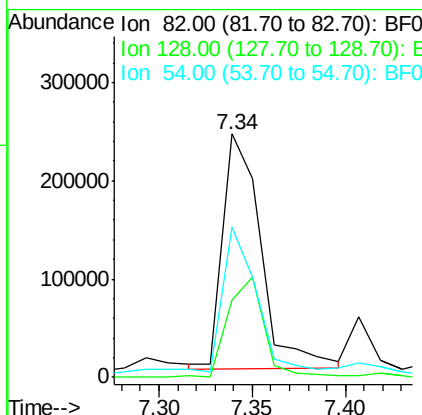
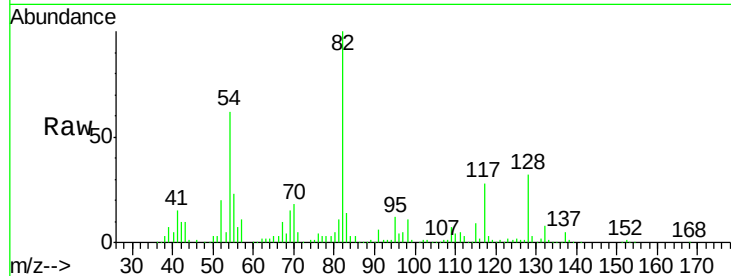




#23  
 Nitrobenzene-d5  
 Concen: 33.74 ng  
 RT: 7.34 min Scan# 477  
 Delta R.T. -0.09 min  
 Lab File: BF093408.D  
 Acq: 6 Mar 2017 18:40

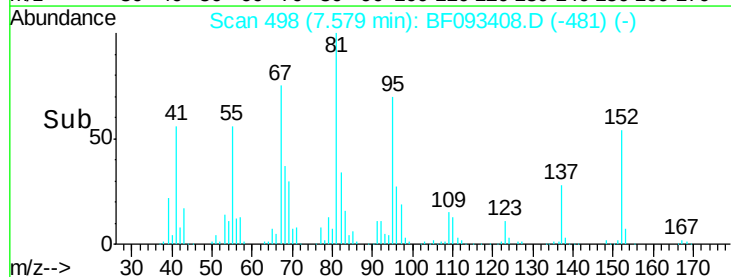
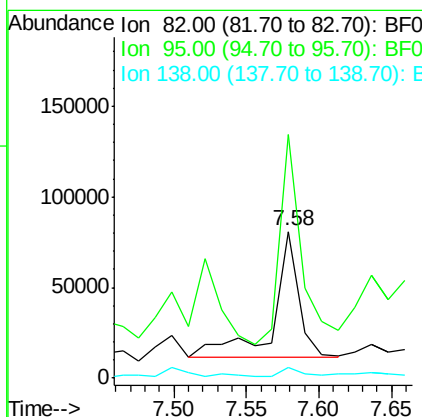
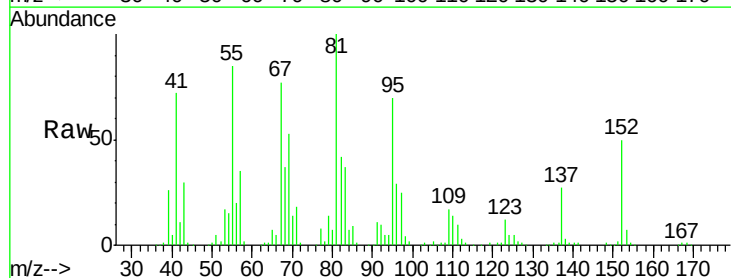
Instrument :  
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 ClientSampleId :  
 19B-19

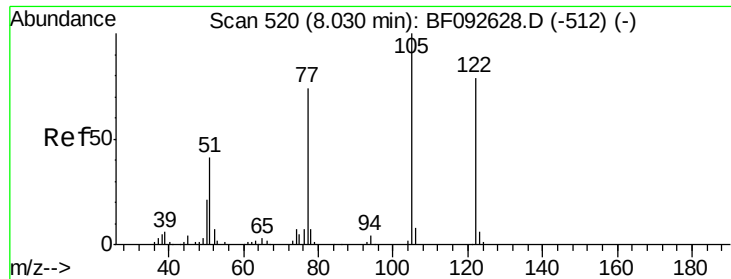
Tgt Ion: 82 Resp: 344195  
 Ion Ratio Lower Upper  
 82 100  
 128 31.9 34.6 52.0#  
 54 61.9 39.5 59.3#



#25  
 Isophorone  
 Concen: 4.34 ng  
 RT: 7.58 min Scan# 498  
 Delta R.T. -0.11 min  
 Lab File: BF093408.D  
 Acq: 6 Mar 2017 18:40

Tgt Ion: 82 Resp: 82493  
 Ion Ratio Lower Upper  
 82 100  
 95 166.1 5.6 8.4#  
 138 7.3 14.6 22.0#

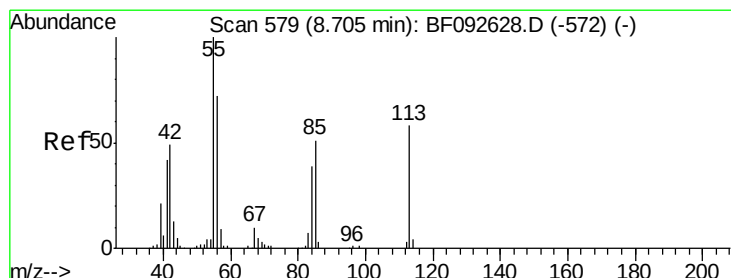
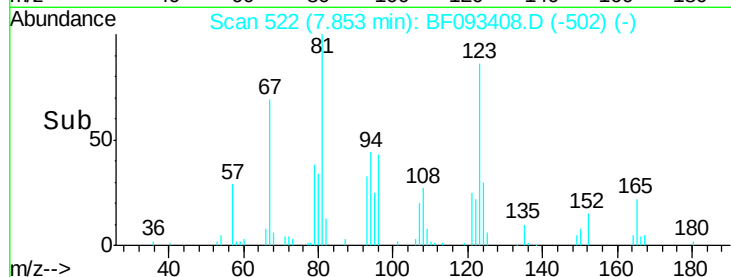
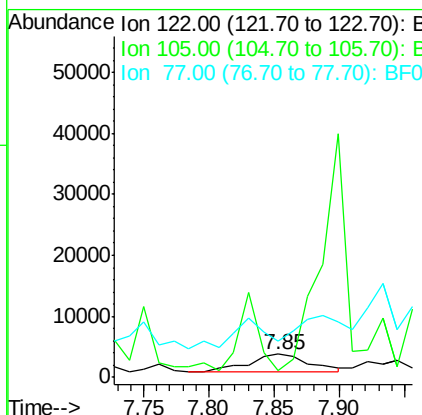
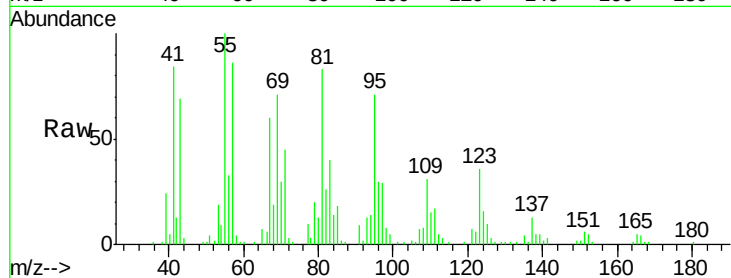




#32  
Benzoic acid  
Concen: 8.87 ng  
RT: 7.85 min Scan# 522  
Delta R.T. -0.07 min  
Lab File: BF093408.D  
Acq: 6 Mar 2017 18:40

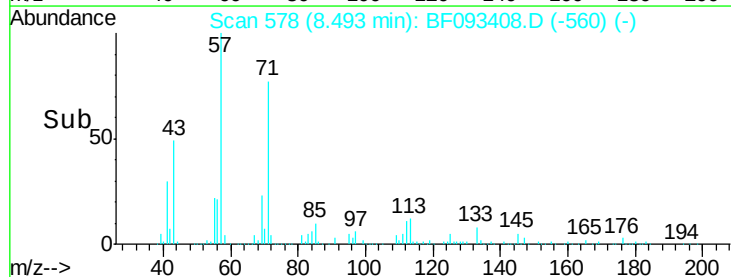
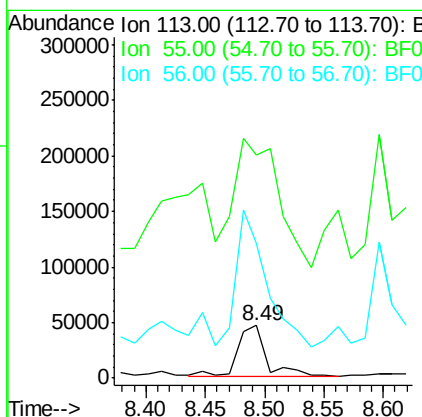
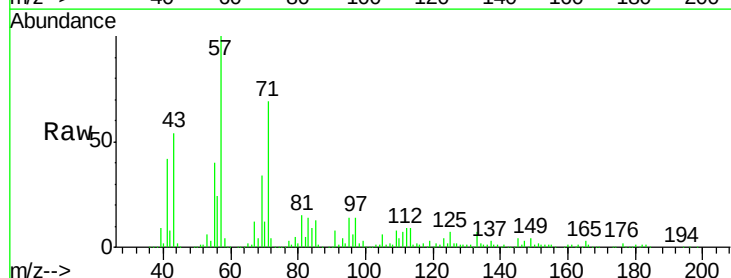
Instrument :  
BNA\_F  
ClientSampleId :  
19B-19

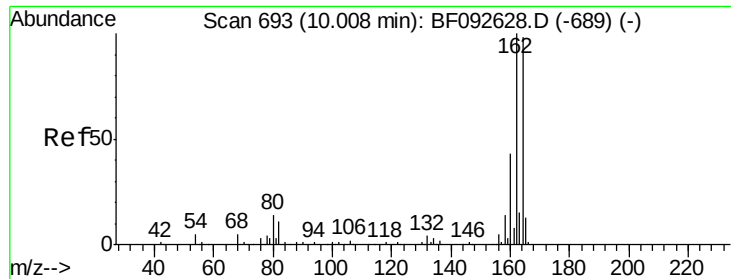
Tgt Ion:122 Resp: 9909  
Ion Ratio Lower Upper  
122 100  
105 29.8 107.2 147.2#  
77 158.2 74.5 114.5#



#35  
Caprolactam  
Concen: 29.60 ng  
RT: 8.49 min Scan# 578  
Delta R.T. -0.10 min  
Lab File: BF093408.D  
Acq: 6 Mar 2017 18:40

Tgt Ion:113 Resp: 75922  
Ion Ratio Lower Upper  
113 100  
55 424.4 119.2 159.2#  
56 255.7 83.8 123.8#

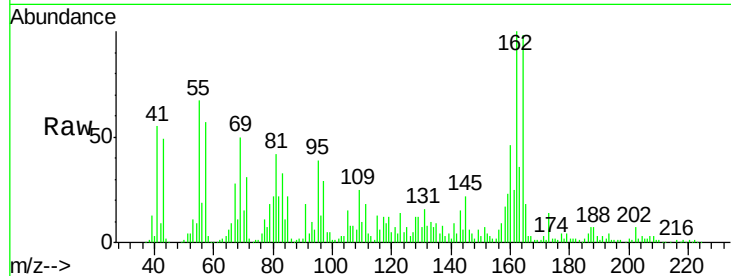




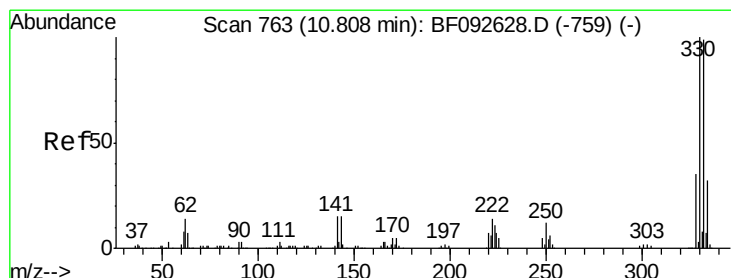
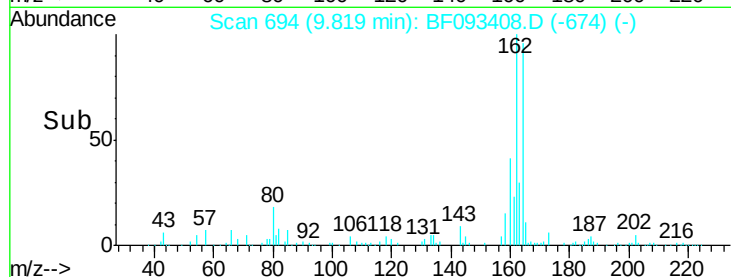
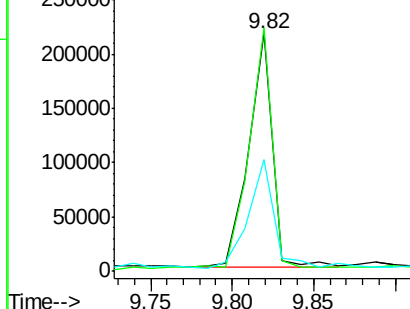
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.82 min Scan# 694  
 Delta R.T. -0.07 min  
 Lab File: BF093408.D  
 Acq: 6 Mar 2017 18:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
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Tgt Ion:164 Resp: 213815  
 Ion Ratio Lower Upper  
 164 100  
 162 102.1 80.2 120.2  
 160 46.7 36.9 55.3

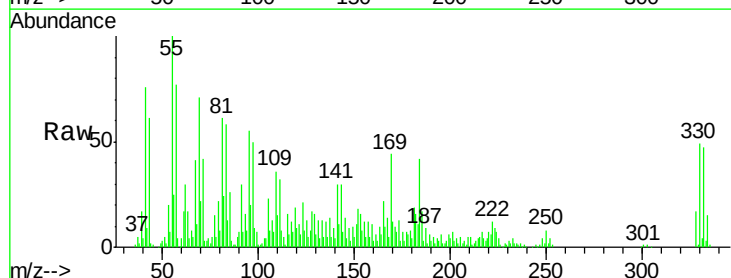


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

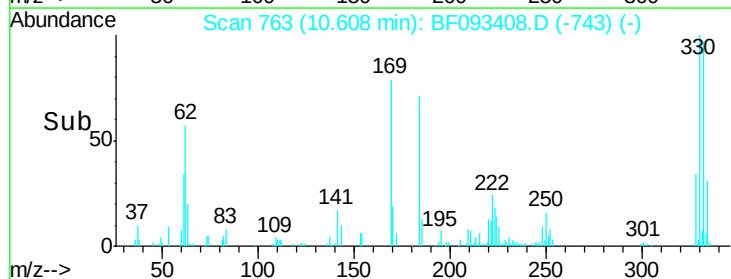
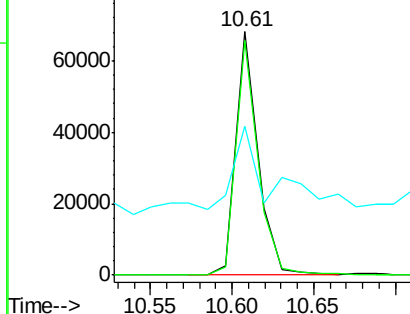


#41  
 2,4,6-Tribromophenol  
 Concen: 40.92 ng  
 RT: 10.61 min Scan# 763  
 Delta R.T. -0.07 min  
 Lab File: BF093408.D  
 Acq: 6 Mar 2017 18:40

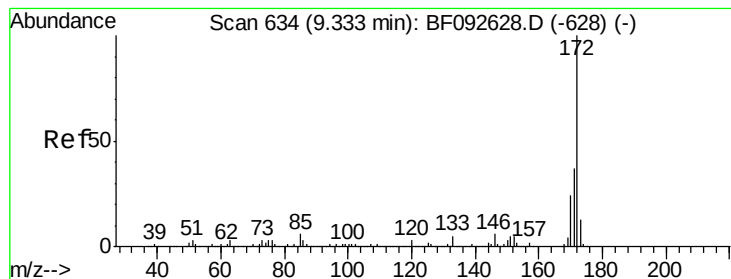
Tgt Ion:330 Resp: 63288  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 77.4 116.2  
 141 77.7 34.1 51.1#



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: 42.16 ng

RT: 9.13 min Scan# 634

Delta R.T. -0.09 min

Lab File: BF093408.D

Acq: 6 Mar 2017 18:40

Instrument :

BNA\_F

ClientSampleId :

19B-19

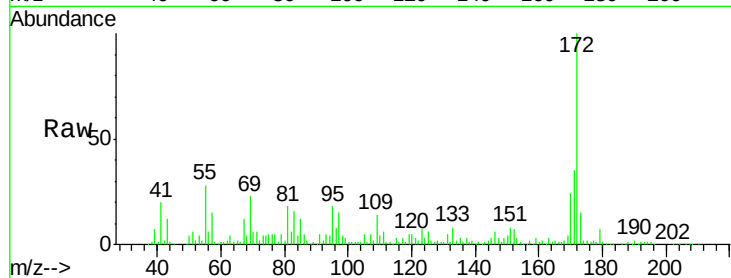
Tgt Ion: 172 Resp: 497608

Ion Ratio Lower Upper

172 100

171 35.4 29.4 44.0

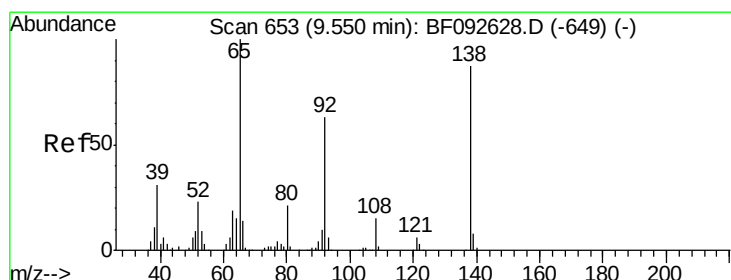
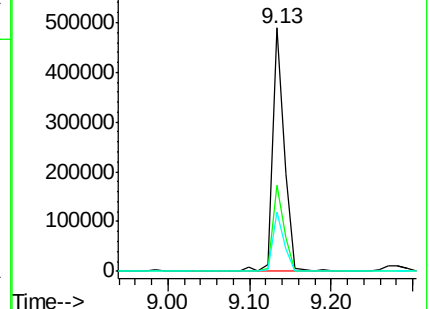
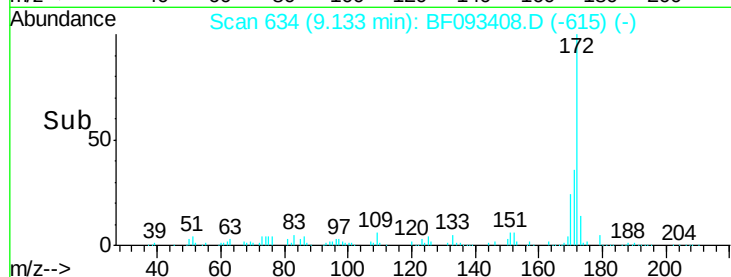
170 24.1 20.2 30.4



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



#47

2-Nitroaniline

Concen: 2.93 ng

RT: 9.20 min Scan# 640

Delta R.T. -0.25 min

Lab File: BF093408.D

Acq: 6 Mar 2017 18:40

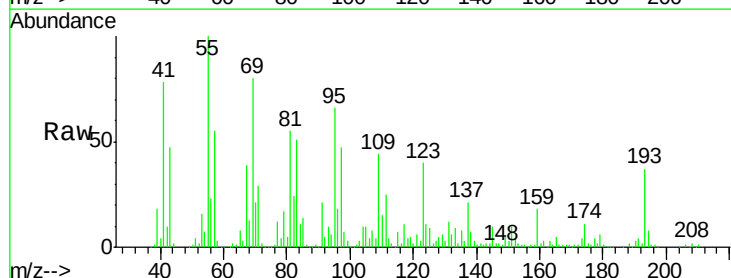
Tgt Ion: 65 Resp: 11943

Ion Ratio Lower Upper

65 100

92 59.6 53.9 80.9

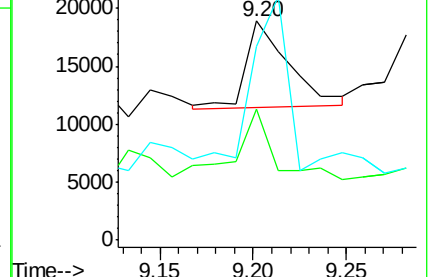
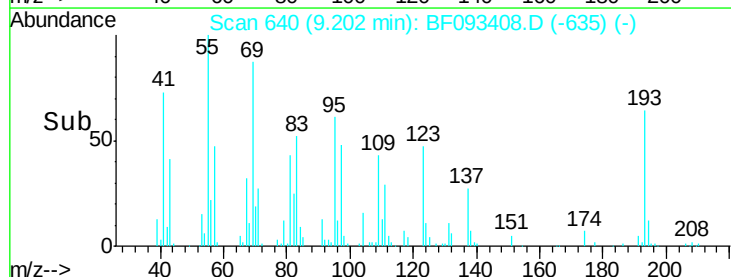
138 88.4 76.8 115.2

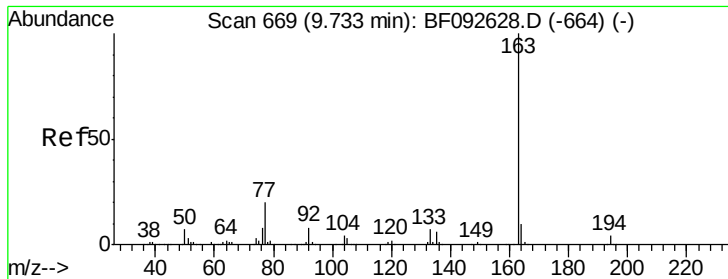


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 6.03 ng

RT: 9.53 min Scan# 669

Delta R.T. -0.09 min

Lab File: BF093408.D

Acq: 6 Mar 2017 18:40

Instrument :

BNA\_F

ClientSampled :

19B-19

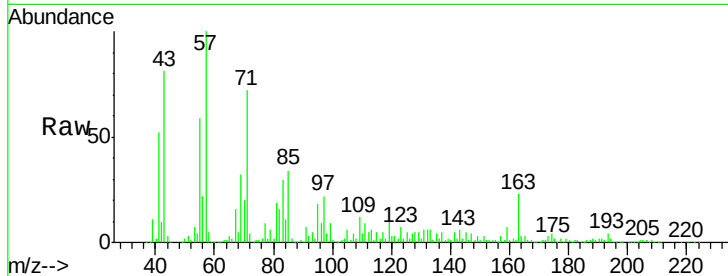
Tgt Ion:163 Resp: 86814

Ion Ratio Lower Upper

163 100

194 9.7 3.0 4.4#

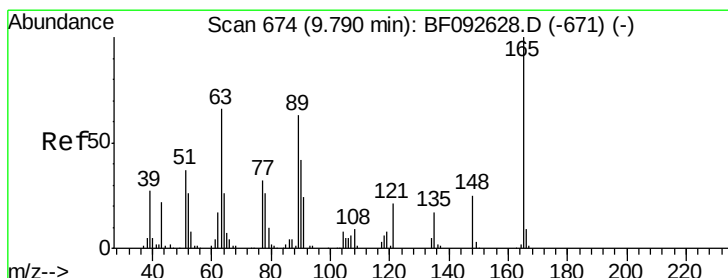
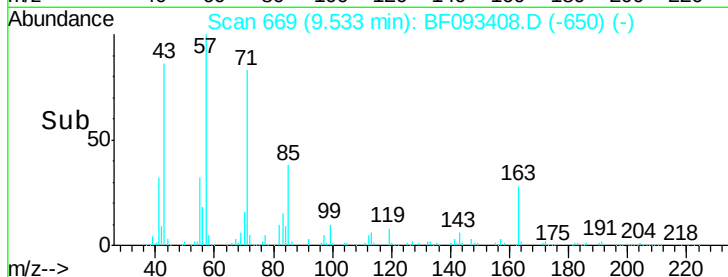
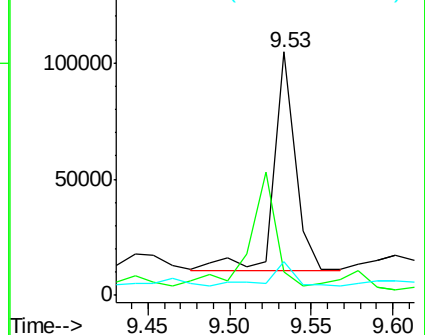
164 13.8 8.0 12.0#



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



#50

2,6-Dinitrotoluene

Concen: 6.43 ng

RT: 9.58 min Scan# 673

Delta R.T. -0.11 min

Lab File: BF093408.D

Acq: 6 Mar 2017 18:40

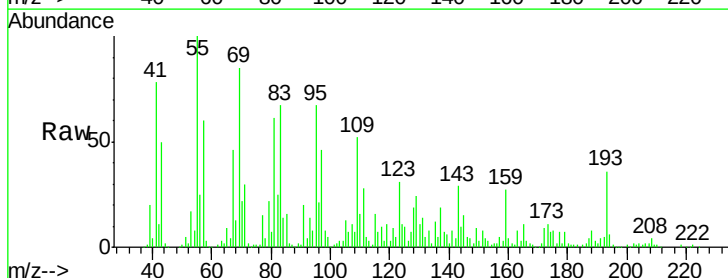
Tgt Ion:165 Resp: 20011

Ion Ratio Lower Upper

165 100

63 27.3 36.2 54.4#

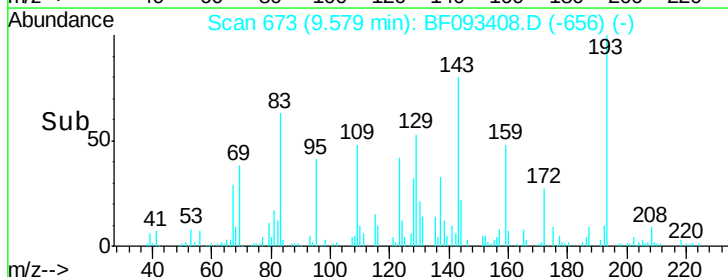
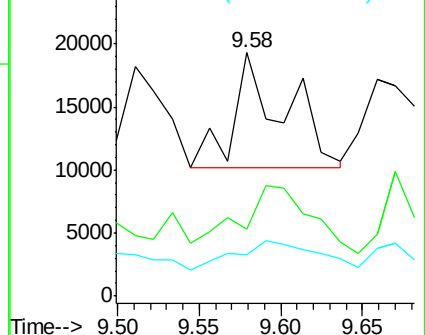
89 17.1 40.2 60.4#

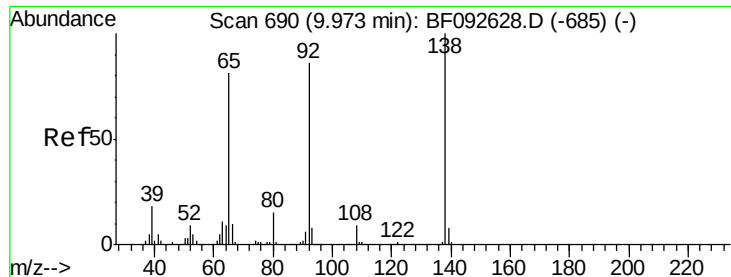


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#52

3-Nitroaniline

Concen: 7.87 ng

RT: 9.76 min Scan# 689

Delta R.T. -0.10 min

Lab File: BF093408.D

Acq: 6 Mar 2017 18:40

Instrument :

BNA\_F

ClientSampleId :

19B-19

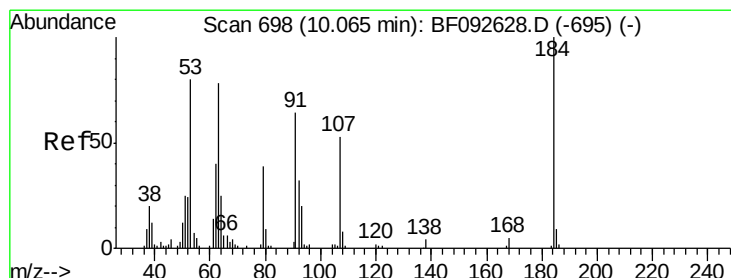
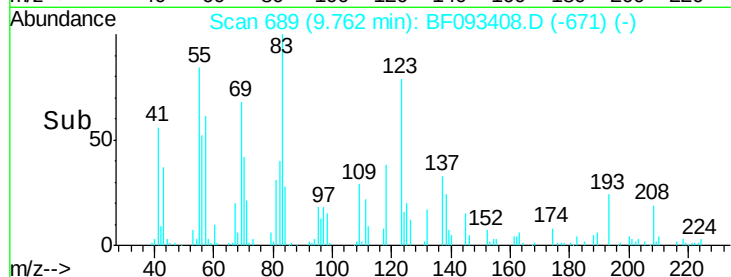
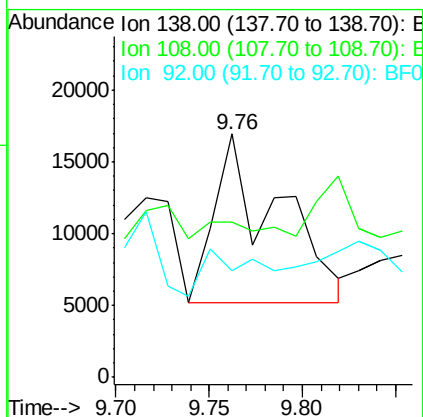
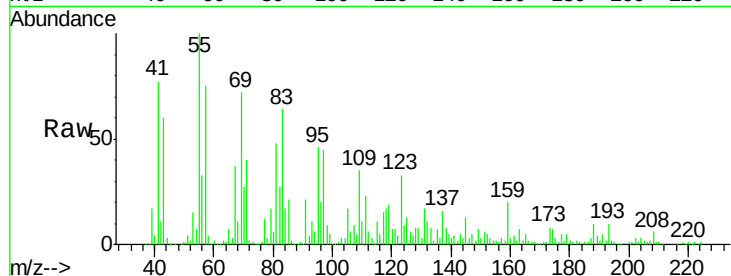
Tgt Ion:138 Resp: 28024

Ion Ratio Lower Upper

138 100

108 63.7 8.5 12.7#

92 44.1 97.8 146.8#



#53

2,4-Dinitrophenol

Concen: 5.52 ng

RT: 9.89 min Scan# 700

Delta R.T. -0.07 min

Lab File: BF093408.D

Acq: 6 Mar 2017 18:40

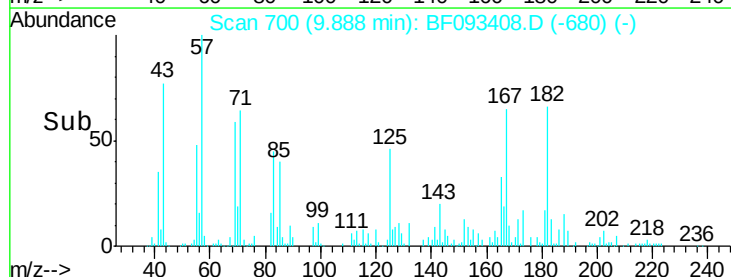
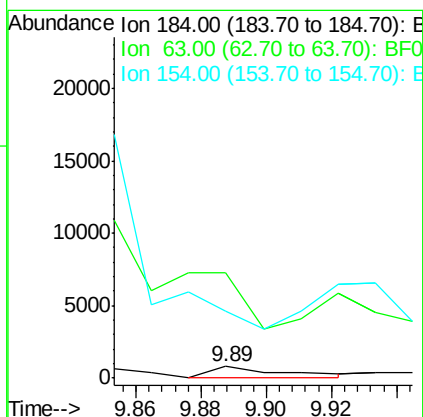
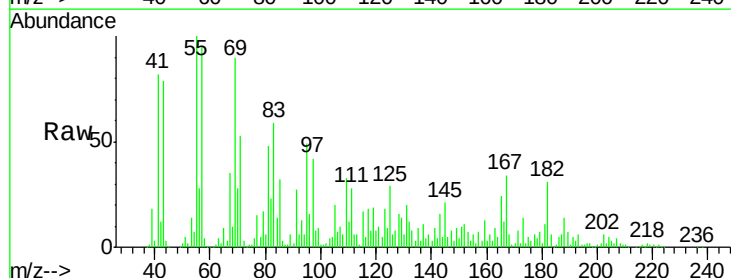
Tgt Ion:184 Resp: 1322

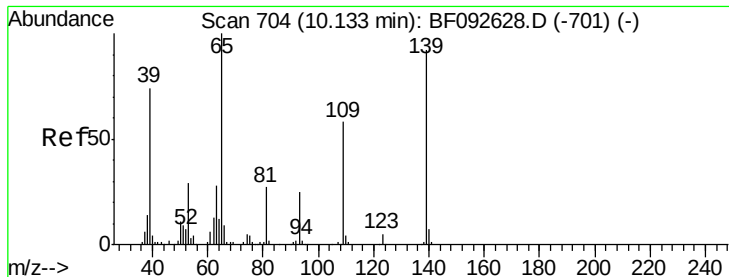
Ion Ratio Lower Upper

184 100

63 891.0 28.4 42.6#

154 567.0 44.3 66.5#

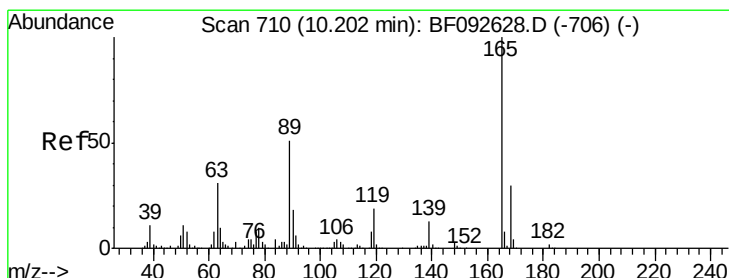
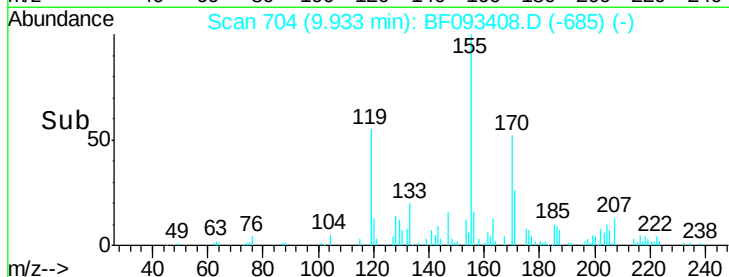
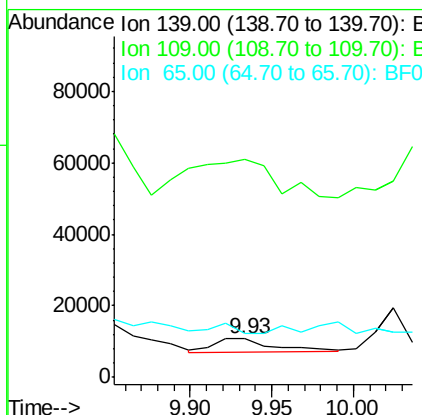
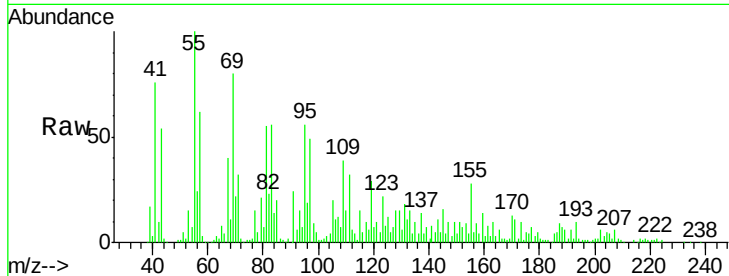




#55  
4-Nitrophenol  
Concen: 3.44 ng  
RT: 9.93 min Scan# 704  
Delta R.T. -0.09 min  
Lab File: BF093408.D  
Acq: 6 Mar 2017 18:40

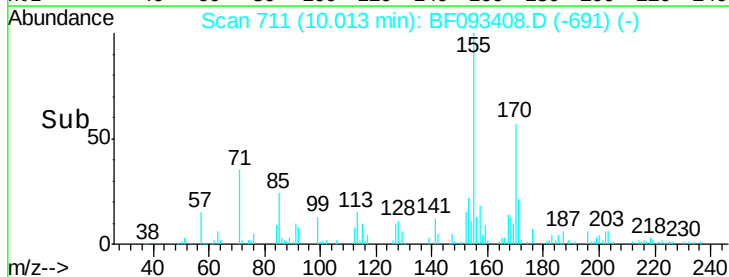
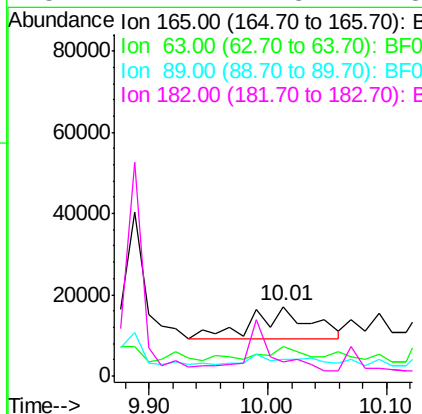
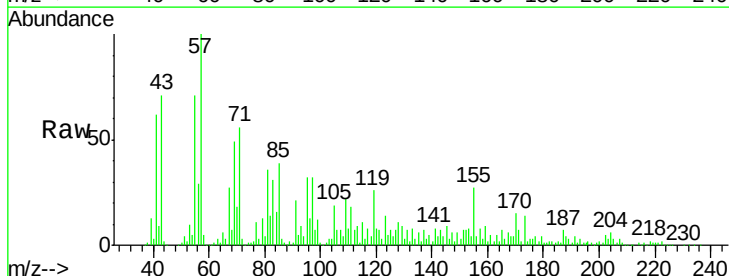
Instrument :  
BNA\_F  
ClientSampled :  
19B-19

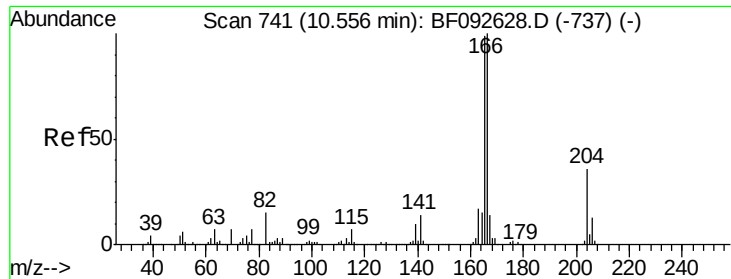
Tgt Ion:139 Resp: 8815  
Ion Ratio Lower Upper  
139 100  
109 564.4 52.2 92.2#  
65 112.6 85.8 125.8



#56  
2,4-Dinitrotoluene  
Concen: 6.62 ng  
RT: 10.01 min Scan# 711  
Delta R.T. -0.07 min  
Lab File: BF093408.D  
Acq: 6 Mar 2017 18:40

Tgt Ion:165 Resp: 27430  
Ion Ratio Lower Upper  
165 100  
63 42.5 40.2 60.4  
89 24.2 62.5 93.7#  
182 21.2 1.8 2.8#

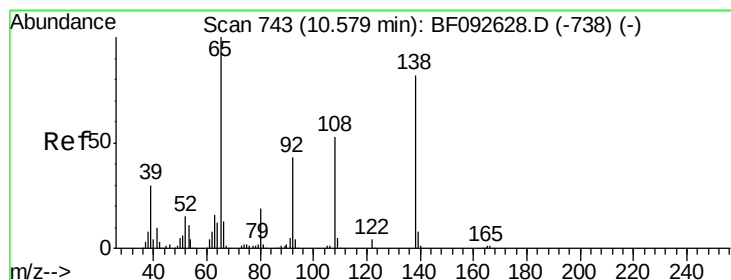
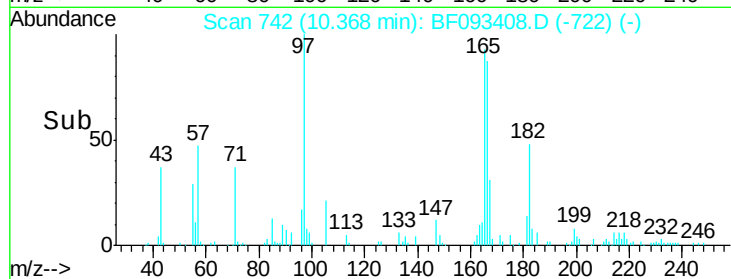
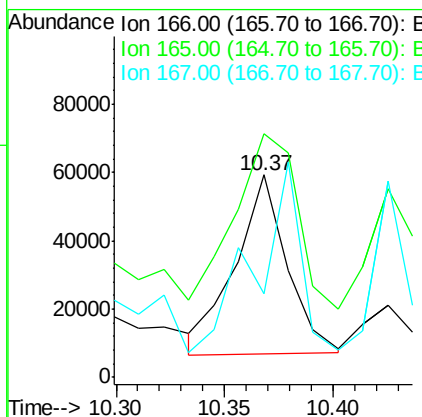
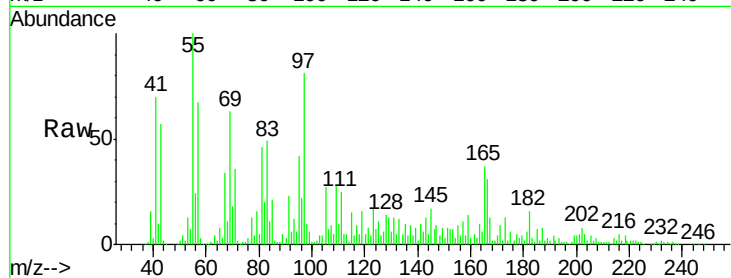




#57  
**Fluorene**  
 Concen: 6.74 ng  
 RT: 10.37 min Scan# 742  
 Delta R.T. -0.07 min  
 Lab File: BF093408.D  
 Acq: 6 Mar 2017 18:40

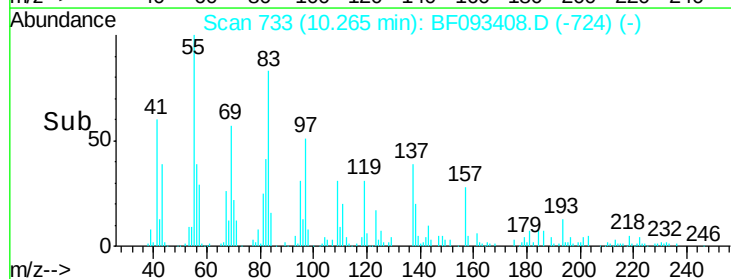
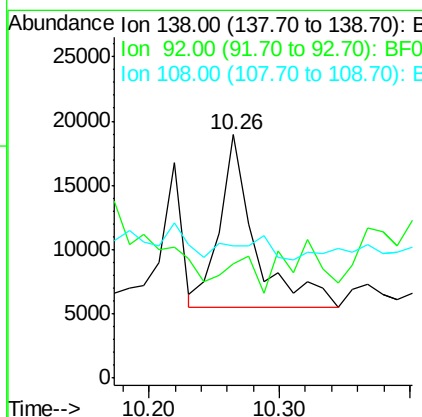
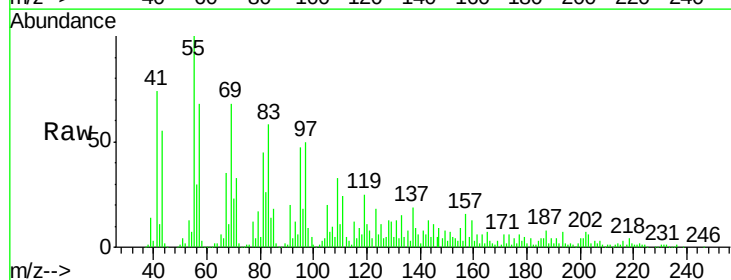
Instrument :  
 BNA\_F  
 ClientSampleId :  
 19B-19

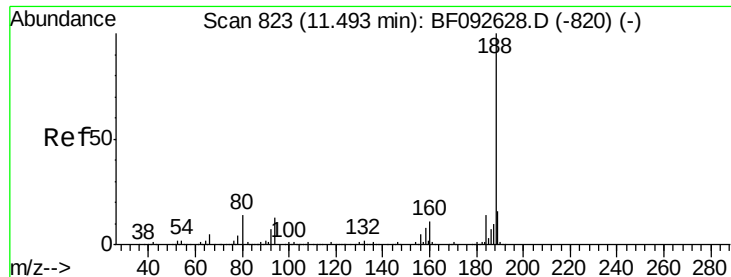
Tgt Ion:166 Resp: 86697  
 Ion Ratio Lower Upper  
 166 100  
 165 120.5 77.8 116.8#  
 167 41.4 10.8 16.2#



#61  
**4-Nitroaniline**  
 Concen: 6.93 ng  
 RT: 10.26 min Scan# 733  
 Delta R.T. -0.20 min  
 Lab File: BF093408.D  
 Acq: 6 Mar 2017 18:40

Tgt Ion:138 Resp: 25253  
 Ion Ratio Lower Upper  
 138 100  
 92 47.1 31.7 71.7  
 108 54.6 52.6 92.6

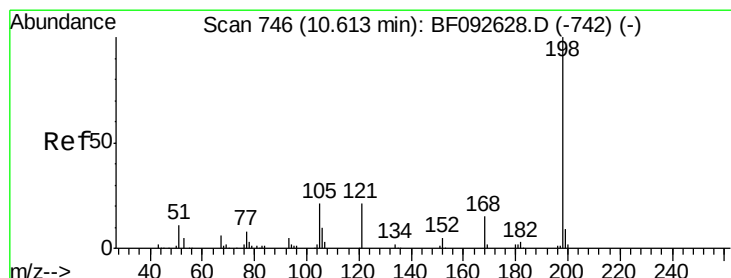
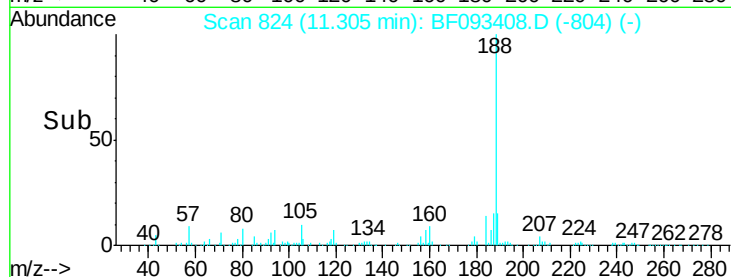
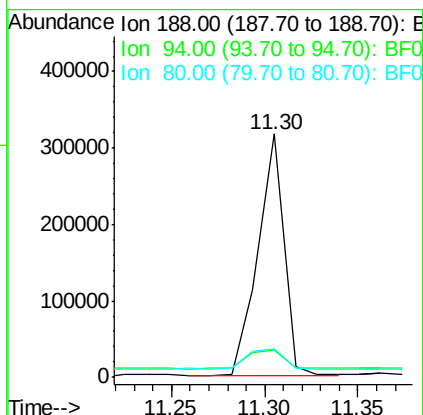
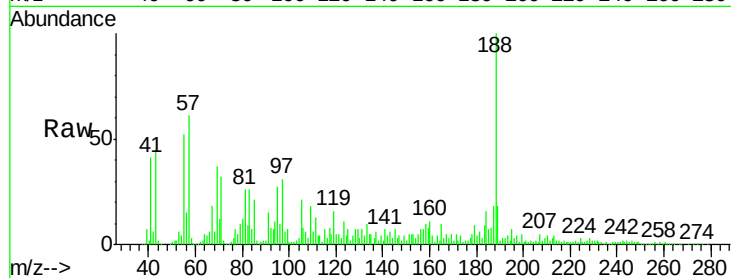




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.30 min Scan# 824  
Delta R.T. -0.07 min  
Lab File: BF093408.D  
Acq: 6 Mar 2017 18:40

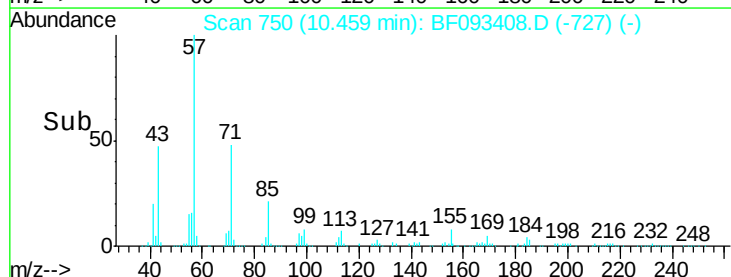
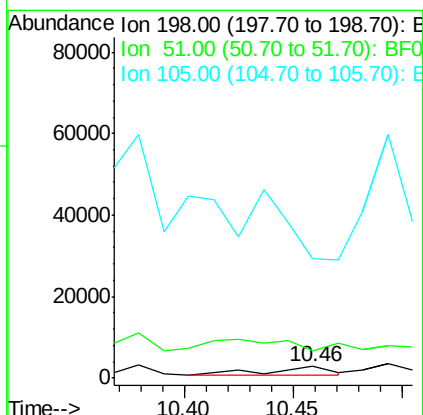
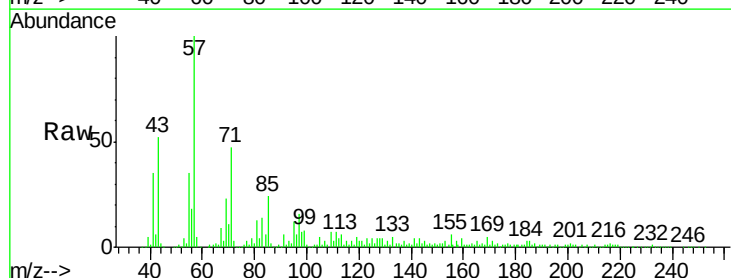
Instrument :  
BNA\_F  
ClientSampleId :  
19B-19

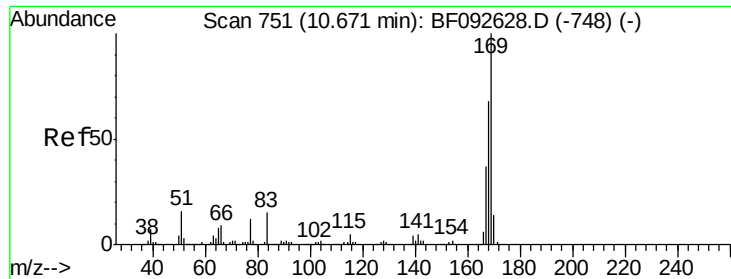
Tgt Ion:188 Resp: 302729  
Ion Ratio Lower Upper  
188 100  
94 11.3 10.0 15.0  
80 11.6 11.2 16.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 4.67 ng  
RT: 10.46 min Scan# 750  
Delta R.T. -0.04 min  
Lab File: BF093408.D  
Acq: 6 Mar 2017 18:40

Tgt Ion:198 Resp: 3900  
Ion Ratio Lower Upper  
198 100  
51 232.3 6.7 46.7#  
105 1023.2 16.6 56.6#

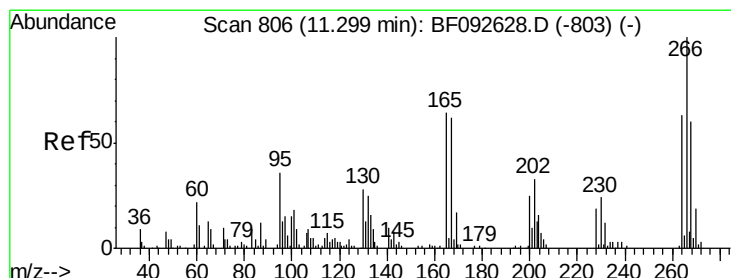
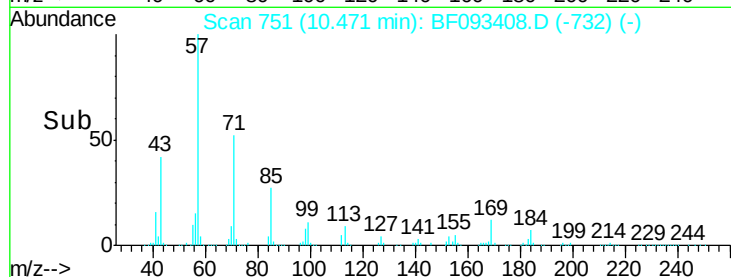
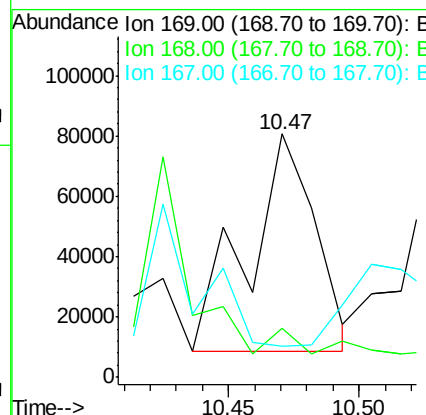
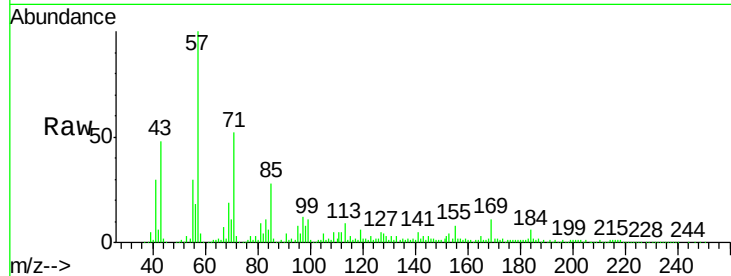




#65  
n-Nitrosodiphenylamine  
Concen: 13.45 ng  
RT: 10.47 min Scan# 751  
Delta R.T. -0.09 min  
Lab File: BF093408.D  
Acq: 6 Mar 2017 18:40

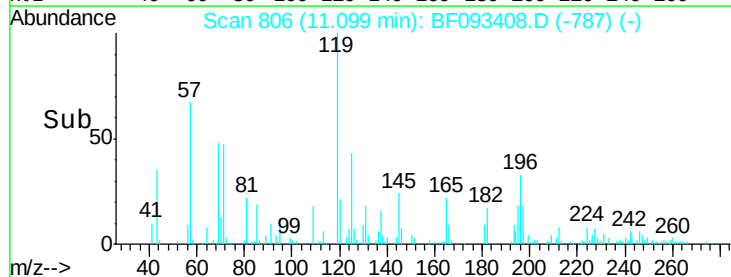
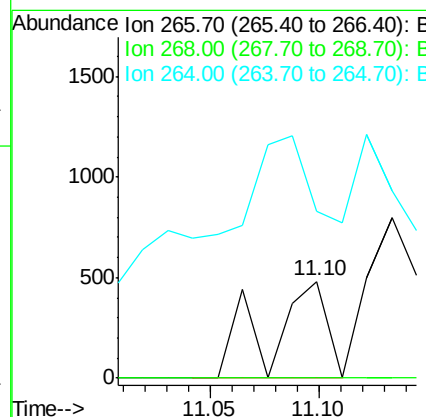
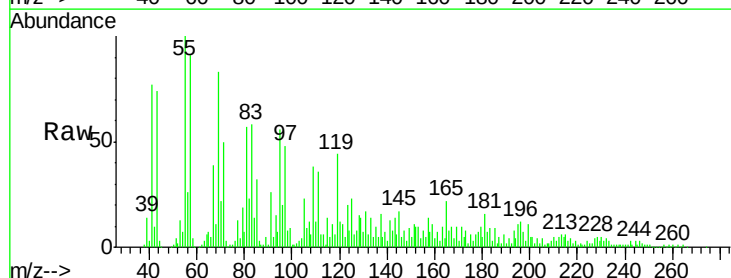
Instrument :  
BNA\_F  
ClientSampleId :  
19B-19

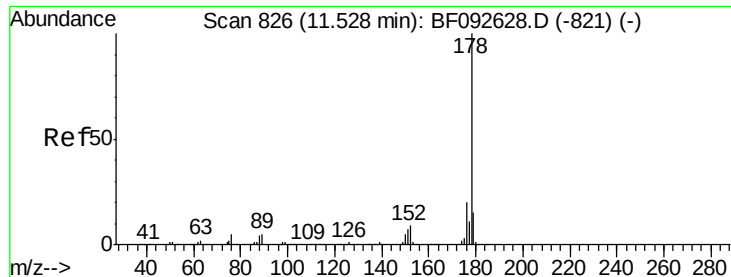
Tgt Ion:169 Resp: 130041  
Ion Ratio Lower Upper  
169 100  
168 20.1 54.2 81.2#  
167 13.0 30.2 45.4#



#69  
Pentachlorophenol  
Concen: 7.70 ng  
RT: 11.10 min Scan# 806  
Delta R.T. -0.09 min  
Lab File: BF093408.D  
Acq: 6 Mar 2017 18:40

Tgt Ion:266 Resp: 887  
Ion Ratio Lower Upper  
266 100  
268 0.0 53.3 79.9#  
264 171.9 50.3 75.5#

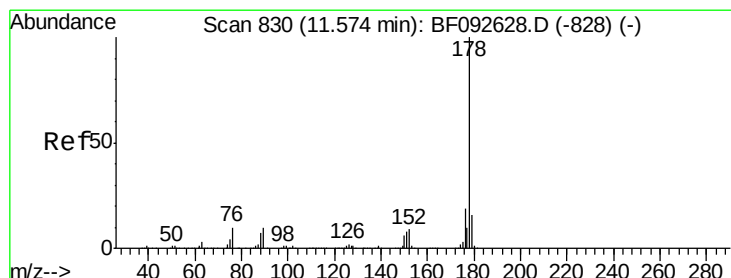
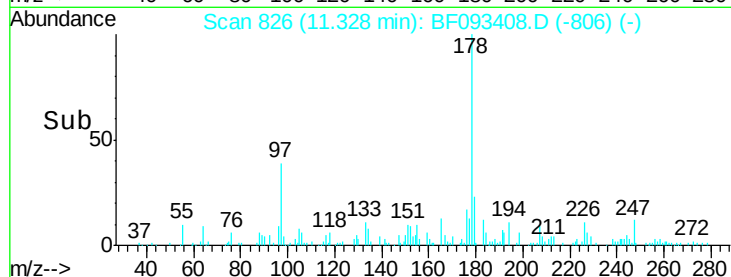
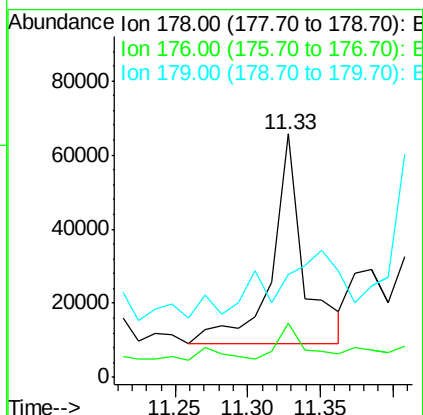
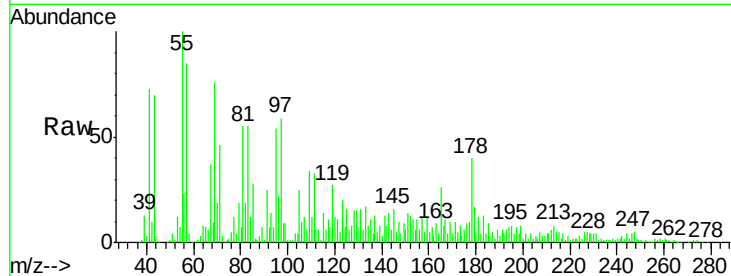




#70  
Phenanthrene  
Concen: 4.97 ng  
RT: 11.33 min Scan# 826  
Delta R.T. -0.07 min  
Lab File: BF093408.D  
Acq: 6 Mar 2017 18:40

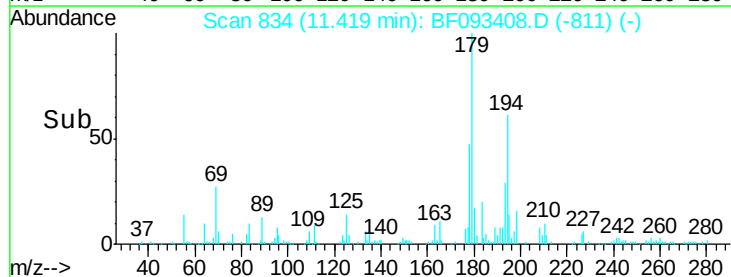
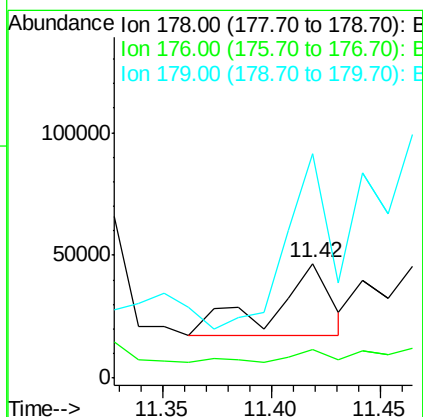
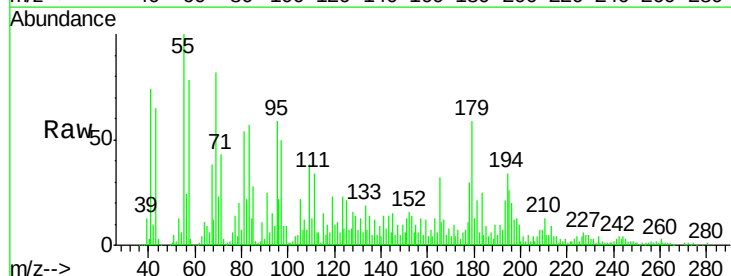
Instrument :  
BNA\_F  
ClientSampleId :  
19B-19

Tgt Ion:178 Resp: 86128  
Ion Ratio Lower Upper  
178 100  
176 22.3 16.6 25.0  
179 42.2 12.8 19.2#

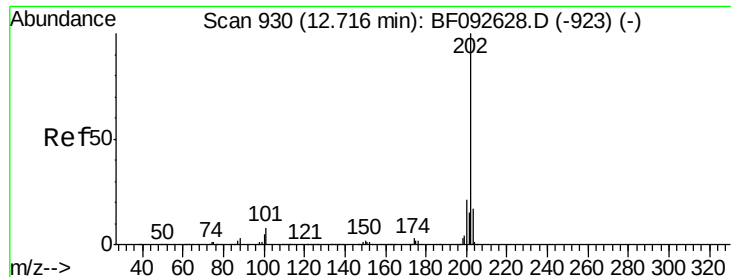


#71  
Anthracene  
Concen: 3.06 ng  
RT: 11.42 min Scan# 834  
Delta R.T. -0.04 min  
Lab File: BF093408.D  
Acq: 6 Mar 2017 18:40

Tgt Ion:178 Resp: 53297  
Ion Ratio Lower Upper  
178 100  
176 24.7 15.9 23.9#  
179 195.3 13.2 19.8#







#74

Fluoranthene

Concen: 4.52 ng

RT: 12.52 min Scan# 930

Delta R.T. -0.07 min

Lab File: BF093408.D

Acq: 6 Mar 2017 18:40

Instrument :

BNA\_F

ClientSampleId :

19B-19

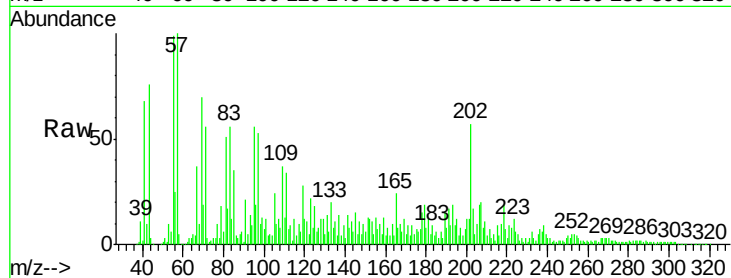
Tgt Ion:202 Resp: 80826

Ion Ratio Lower Upper

202 100

101 20.8 0.0 34.6

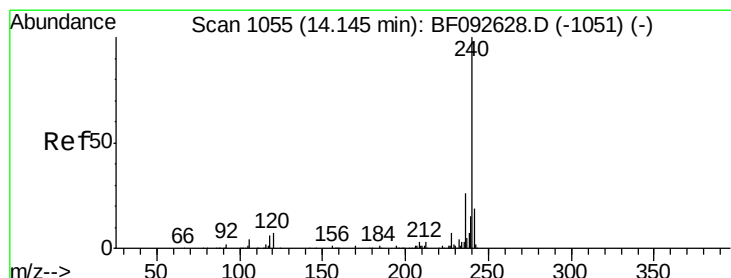
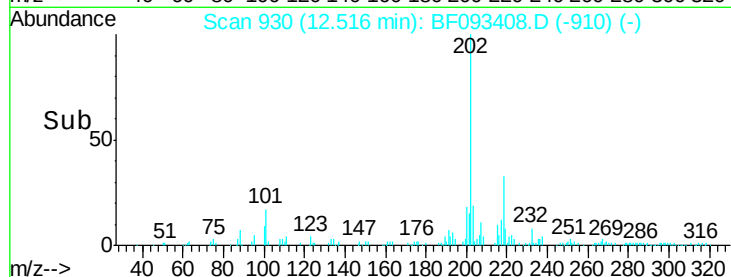
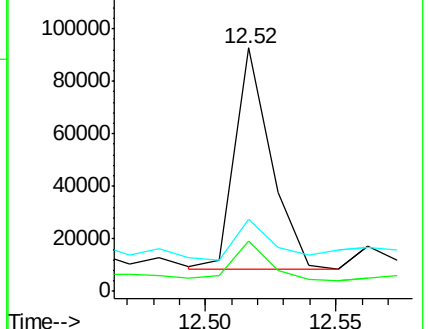
203 29.9 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1056

Delta R.T. -0.06 min

Lab File: BF093408.D

Acq: 6 Mar 2017 18:40

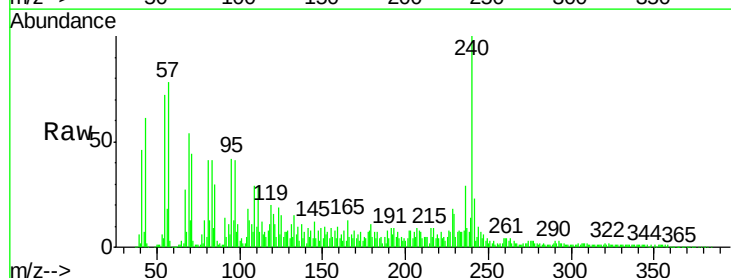
Tgt Ion:240 Resp: 278993

Ion Ratio Lower Upper

240 100

120 15.8 12.9 19.3

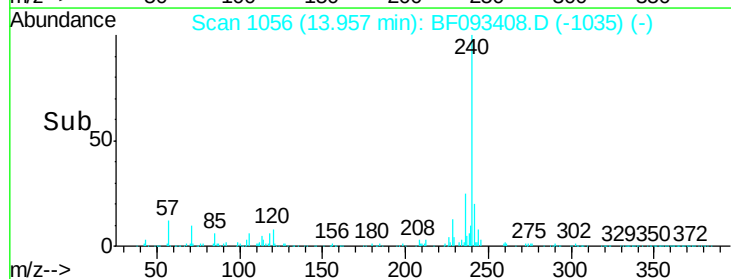
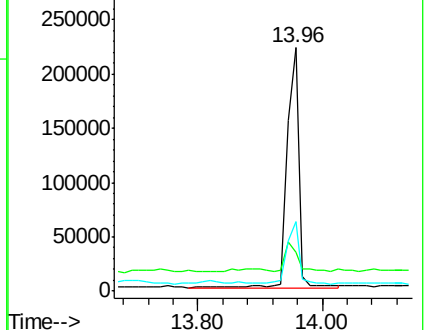
236 28.5 20.9 31.3

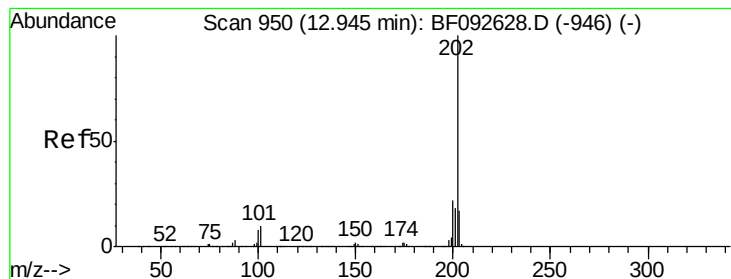


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 8.15 ng

RT: 12.75 min Scan# 950

Delta R.T. -0.07 min

Lab File: BF093408.D

Acq: 6 Mar 2017 18:40

Instrument :

BNA\_F

ClientSampleId :

19B-19

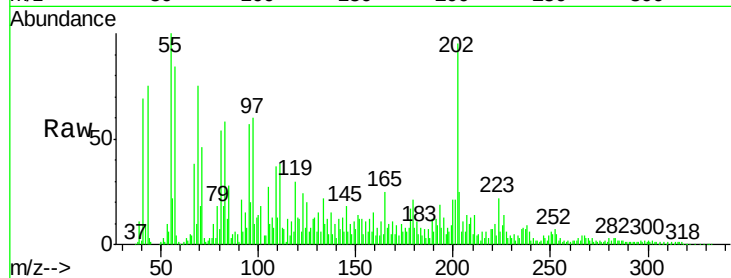
Tgt Ion:202 Resp: 170228

Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

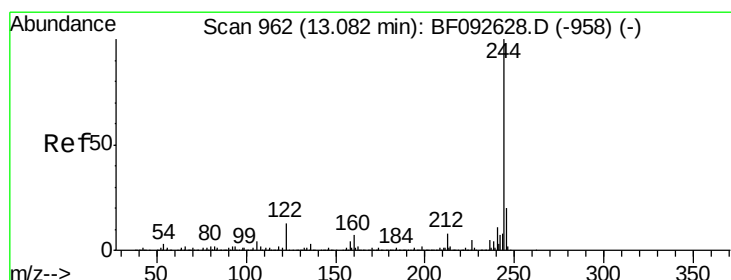
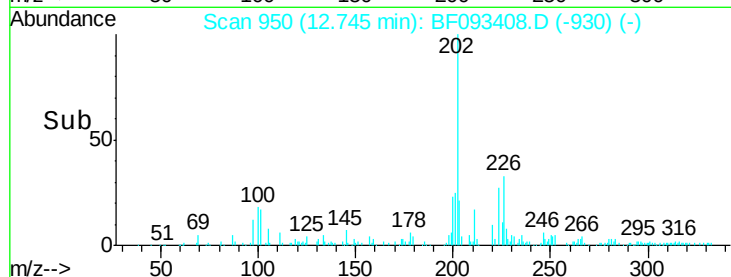
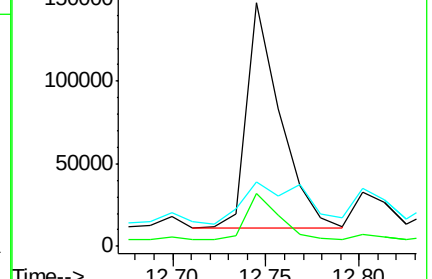
203 26.5 14.7 22.1#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 24.10 ng

RT: 12.88 min Scan# 962

Delta R.T. -0.09 min

Lab File: BF093408.D

Acq: 6 Mar 2017 18:40

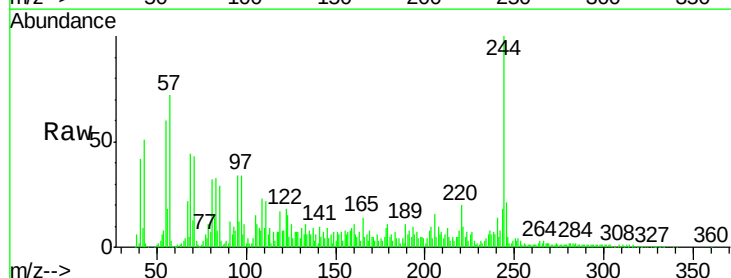
Tgt Ion:244 Resp: 286161

Ion Ratio Lower Upper

244 100

212 9.1 6.2 9.2

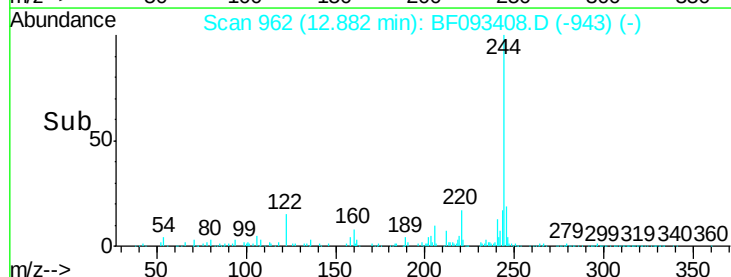
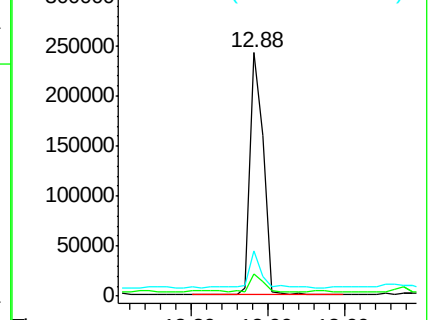
122 18.4 11.4 17.2#

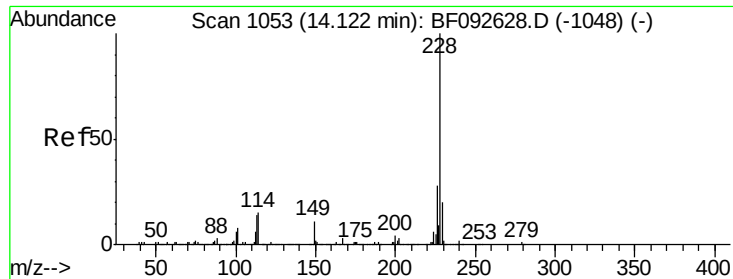


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.85 ng

RT: 13.98 min Scan# 1058

Delta R.T. -0.03 min

Lab File: BF093408.D

Acq: 6 Mar 2017 18:40

Instrument :

BNA\_F

ClientSampleId :

19B-19

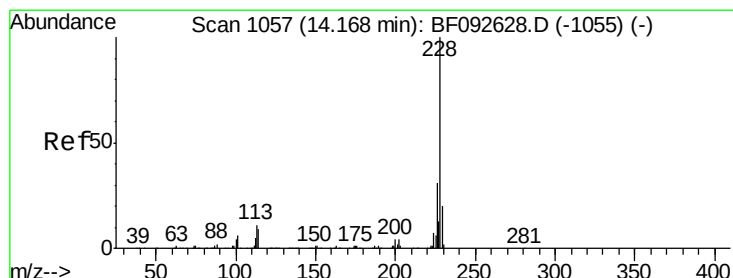
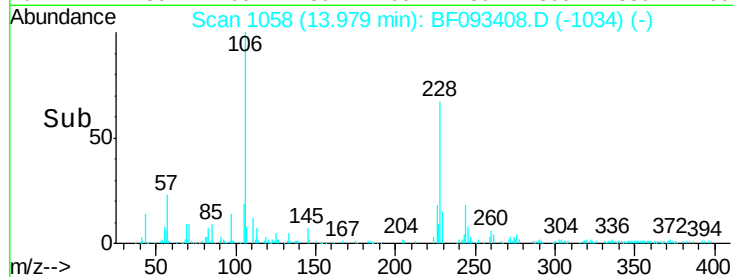
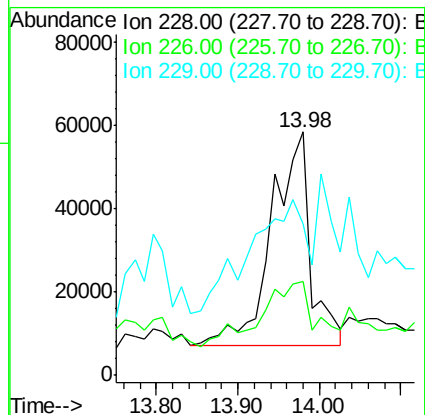
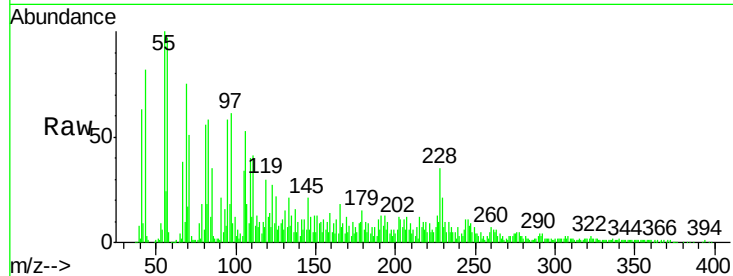
Tgt Ion:228 Resp: 168098

Ion Ratio Lower Upper

228 100

226 38.4 22.4 33.6#

229 62.2 16.2 24.4#



#82

Chrysene

Concen: 10.52 ng

RT: 13.98 min Scan# 1058

Delta R.T. -0.06 min

Lab File: BF093408.D

Acq: 6 Mar 2017 18:40

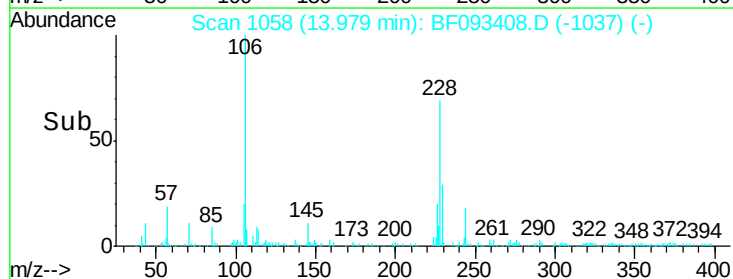
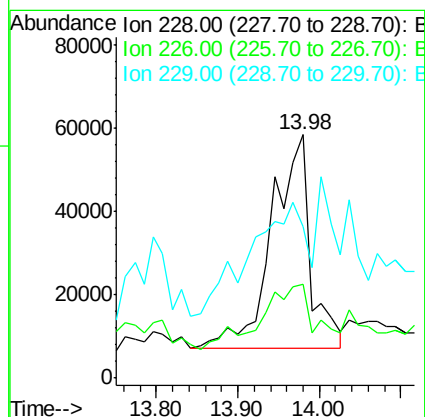
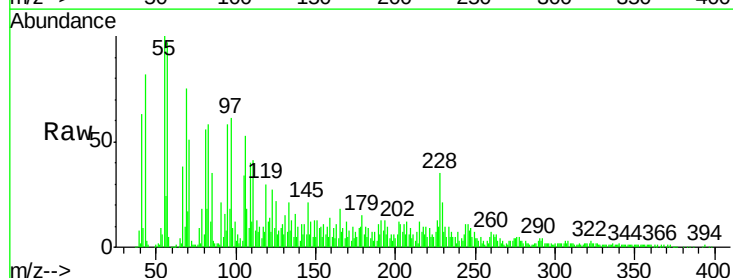
Tgt Ion:228 Resp: 168098

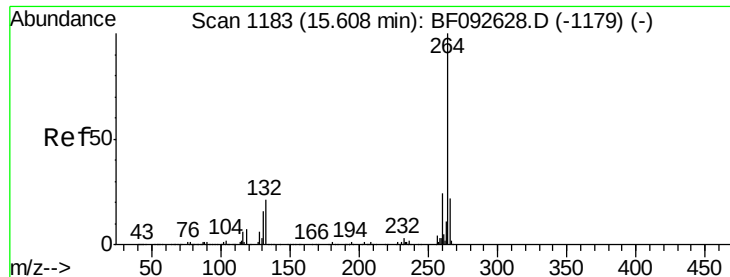
Ion Ratio Lower Upper

228 100

226 38.4 25.4 38.0#

229 62.2 16.2 24.2#



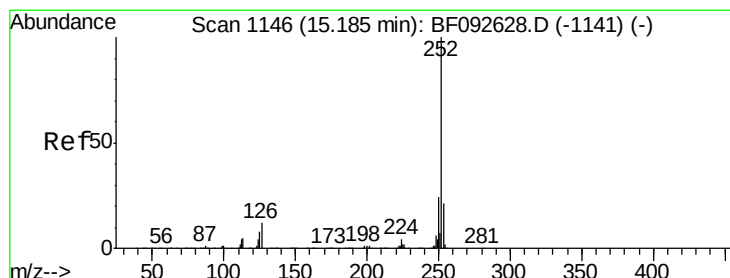
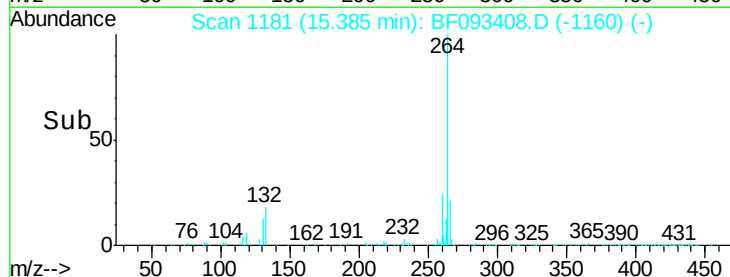
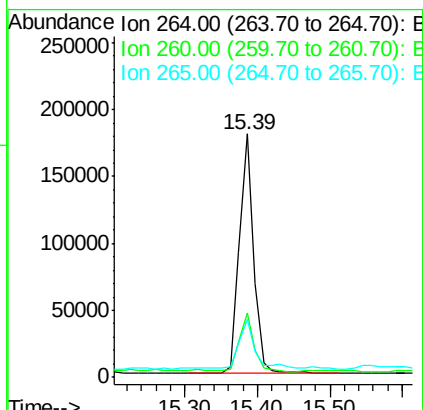
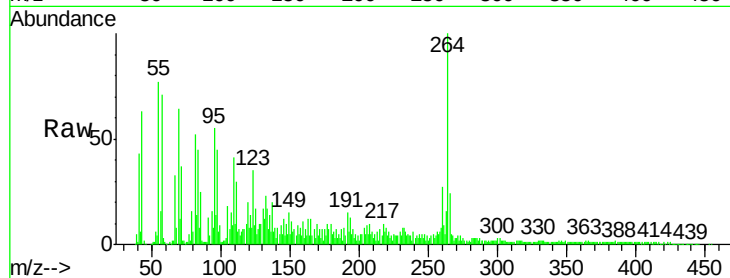


#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.39 min Scan# 1181  
Delta R.T. -0.06 min  
Lab File: BF093408.D  
Acq: 6 Mar 2017 18:40

Instrument :  
BNA\_F  
ClientSampleId :  
19B-19

Tgt Ion: 264 Resp: 246908  

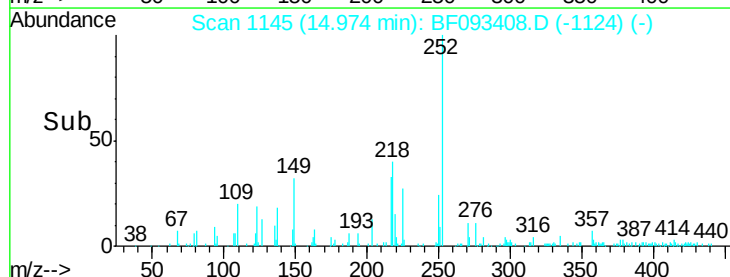
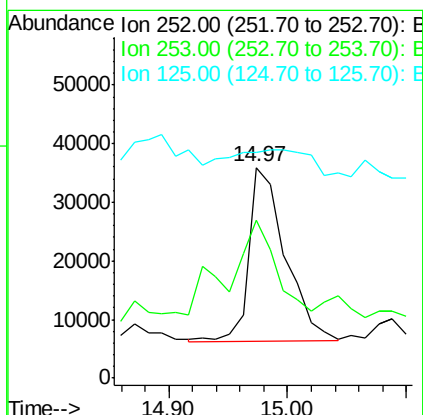
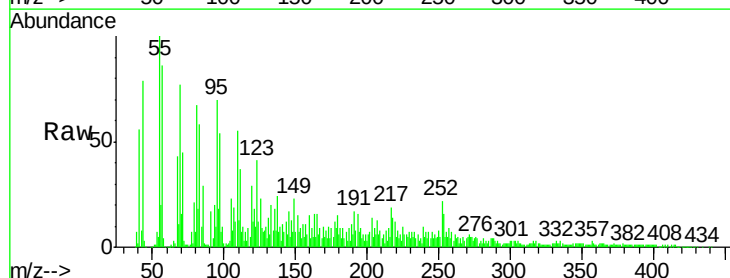
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 26.6  | 19.2  | 28.8  |
| 265 | 24.1  | 17.4  | 26.0  |

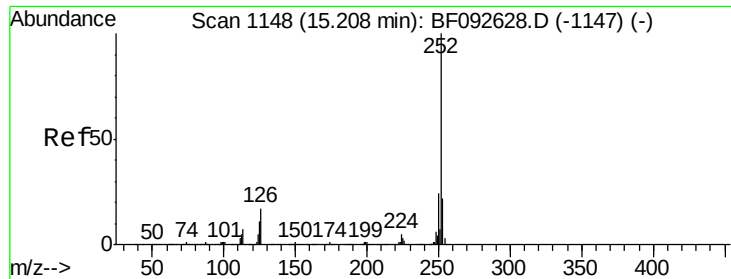


#87  
Benzo(b)fluoranthene  
Concen: 3.97 ng  
RT: 14.97 min Scan# 1145  
Delta R.T. -0.06 min  
Lab File: BF093408.D  
Acq: 6 Mar 2017 18:40

Tgt Ion: 252 Resp: 64556  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 75.1  | 18.2  | 27.4# |
| 125 | 107.1 | 9.8   | 14.6# |

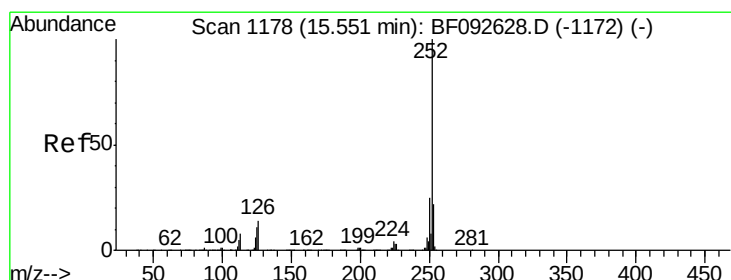
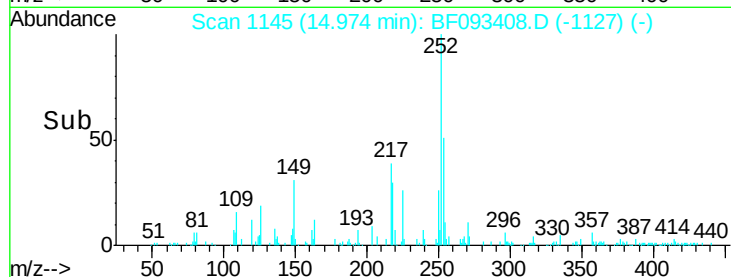
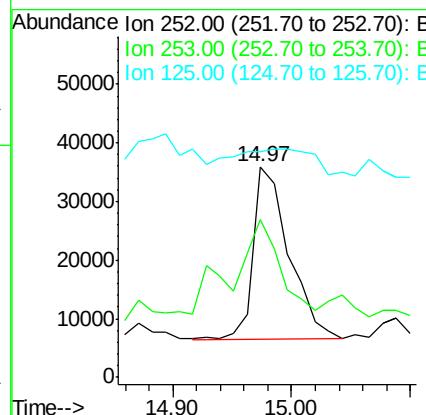
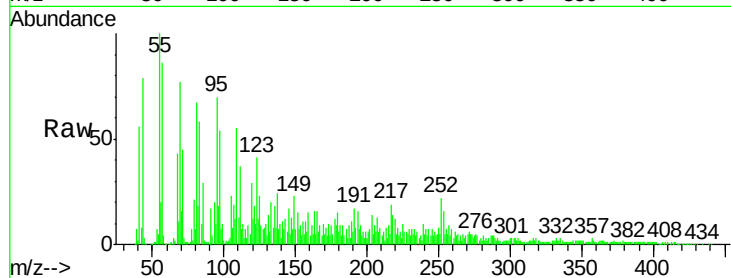




#88  
Benzo(k)fluoranthene  
Concen: 4.44 ng  
RT: 14.97 min Scan# 1145  
Delta R.T. -0.10 min  
Lab File: BF093408.D  
Acq: 6 Mar 2017 18:40

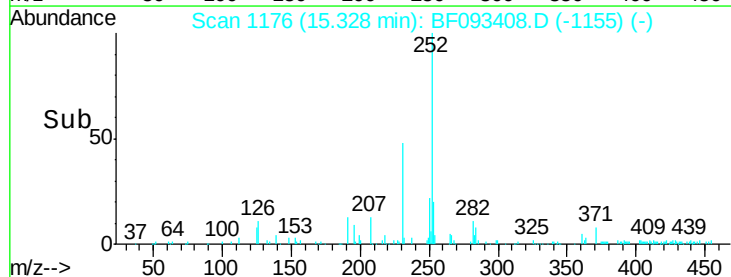
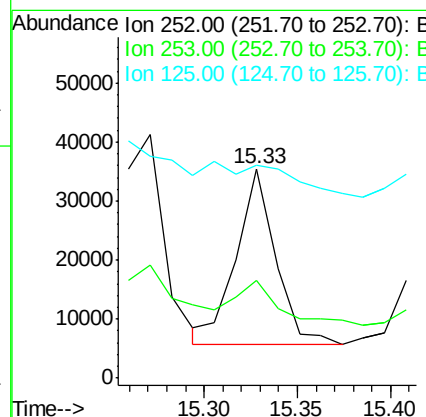
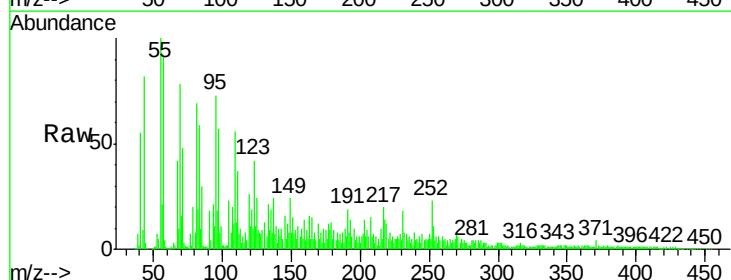
Instrument :  
BNA\_F  
ClientSampleId :  
19B-19

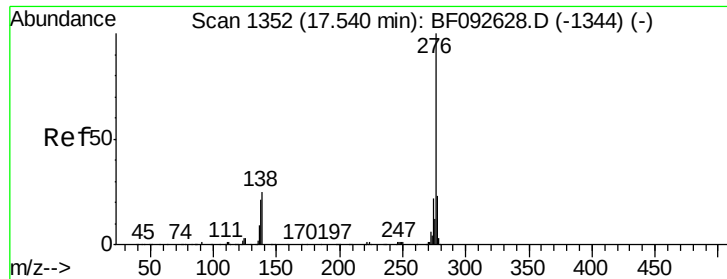
Tgt Ion:252 Resp: 62357  
Ion Ratio Lower Upper  
252 100  
253 75.1 18.5 27.7#  
125 107.1 8.9 13.3#



#89  
Benzo(a)pyrene  
Concen: 3.09 ng  
RT: 15.33 min Scan# 1176  
Delta R.T. -0.06 min  
Lab File: BF093408.D  
Acq: 6 Mar 2017 18:40

Tgt Ion:252 Resp: 43420  
Ion Ratio Lower Upper  
252 100  
253 46.5 18.2 27.2#  
125 101.6 10.0 15.0#





#91  
 Benzo(g,h,i)perylene  
 Concen: 2.67 ng  
 RT: 17.20 min Scan# 1340  
 Delta R.T. -0.09 min  
 Lab File: BF093408.D  
 Acq: 6 Mar 2017 18:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 19B-19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 38.4  | 19.2  | 28.8# |
| 138     | 60.4  | 16.0  | 24.0# |

