

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032317\  
 Data File : BF093885.D  
 Acq On : 23 Mar 2017 18:09  
 Operator : SJ/MA  
 Sample : I2362-06  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S8-0664

Quant Time: Mar 24 04:05:07 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 23 02:02:22 2017  
 Response via : Initial Calibration

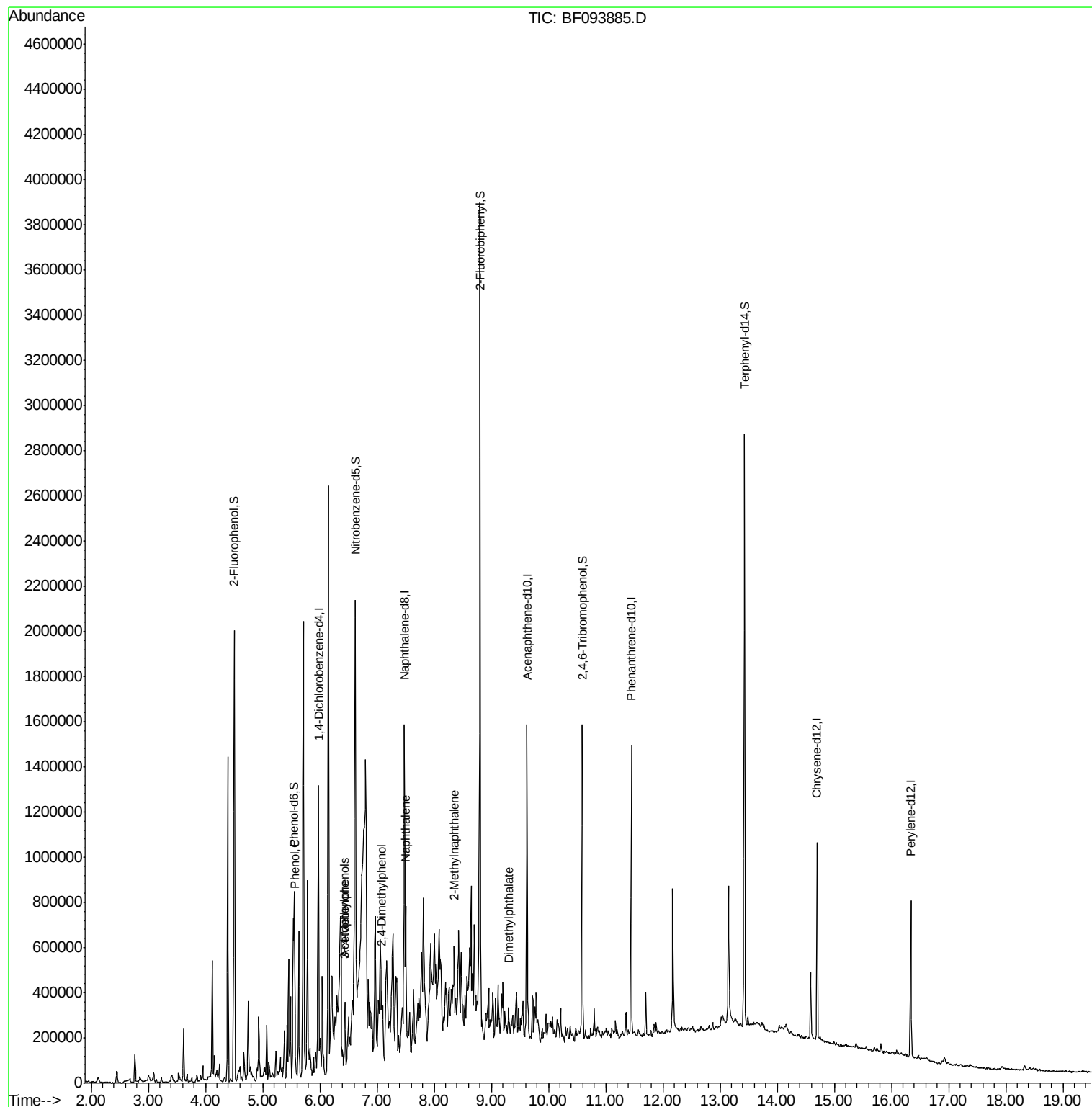
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.97  | 152  | 164328   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.48  | 136  | 683556   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.62  | 164  | 323223   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.45 | 188  | 541683   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 14.70 | 240  | 359004   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 16.34 | 264  | 282212   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 4.50  | 112  | 275300   | 28.30 | ng    | 0.00     |
| 7) Phenol-d6                | 5.55  | 99   | 263591   | 21.90 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 6.62  | 82   | 783102   | 65.38 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.59 | 330  | 167680   | 65.65 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 8.80  | 172  | 1453709  | 68.60 | ng    | -0.02    |
| 78) Terphenyl-d14           | 13.43 | 244  | 961672   | 60.04 | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 10) Phenol                  | 5.56  | 94   | 93423    | 6.82  | ng    | 90       |
| 20) 3+4-Methylphenols       | 6.45  | 107  | 29759    | 2.68  | ng    | # 73     |
| 22) Acetophenone            | 6.43  | 105  | 75529    | 4.96  | ng    | # 75     |
| 27) 2,4-Dimethylphenol      | 7.08  | 122  | 42930    | 4.42  | ng    | 95       |
| 31) Naphthalene             | 7.50  | 128  | 293735   | 8.94  | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.35  | 142  | 88991    | 4.06  | ng    | 98       |
| 49) Dimethylphthalate       | 9.30  | 163  | 47395    | 2.06  | ng    | 96       |

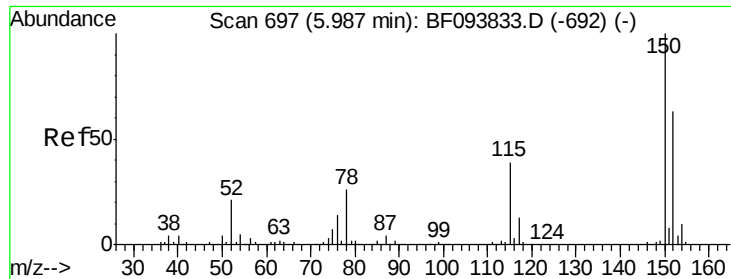
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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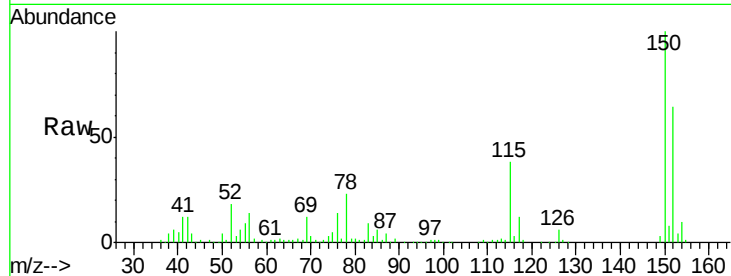




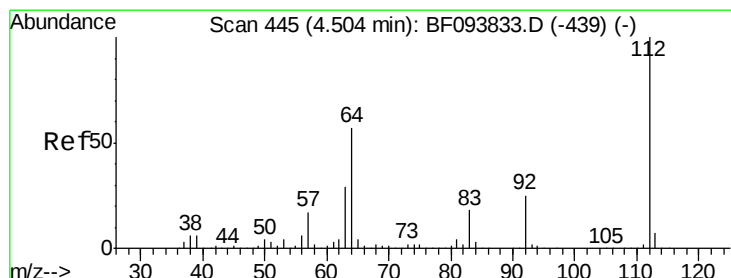
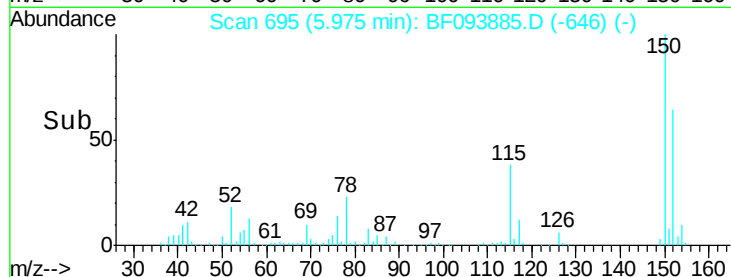
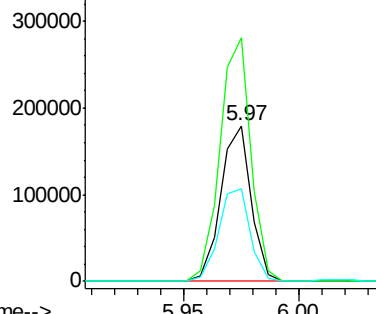
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 5.97 min Scan# 695  
 Delta R.T. -0.01 min  
 Lab File: BF093885.D  
 Acq: 23 Mar 2017 18:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S8-0664

Tgt Ion:152 Resp: 164328  
 Ion Ratio Lower Upper  
 152 100  
 150 156.2 126.2 189.2  
 115 59.2 52.2 78.2

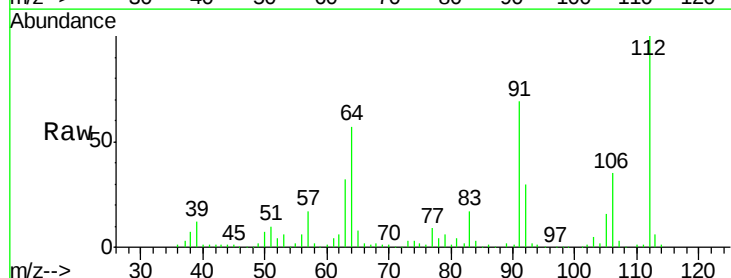


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

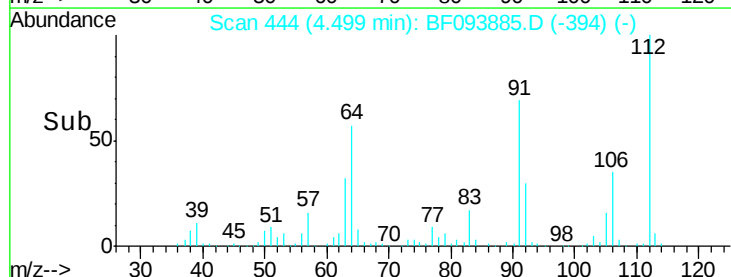
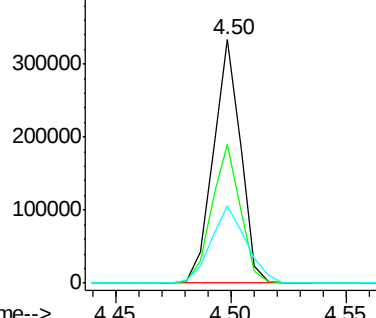


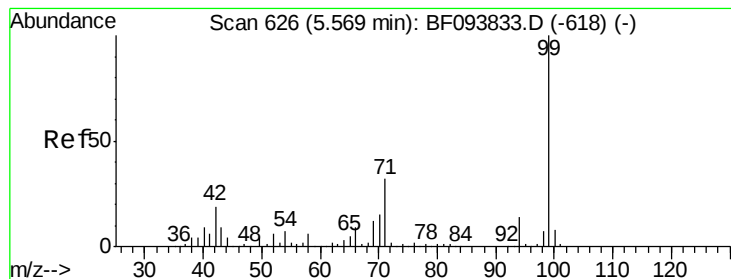
#5  
 2-Fluorophenol  
 Concen: 28.30 ng  
 RT: 4.50 min Scan# 444  
 Delta R.T. -0.01 min  
 Lab File: BF093885.D  
 Acq: 23 Mar 2017 18:09

Tgt Ion:112 Resp: 275300  
 Ion Ratio Lower Upper  
 112 100  
 64 57.1 46.0 69.0  
 63 31.8 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF0  
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.90 ng

RT: 5.55 min Scan# 623

Delta R.T. -0.02 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

Instrument :

BNA\_F

ClientSampleId :

S8-0664

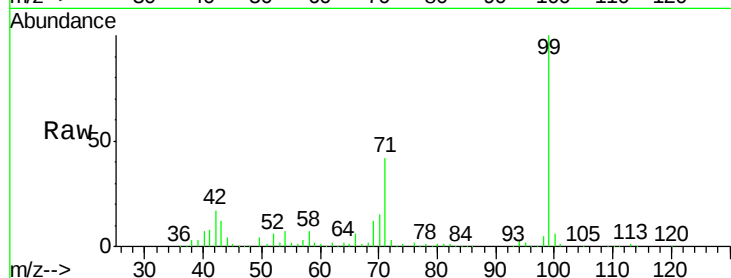
Tgt Ion: 99 Resp: 263591

Ion Ratio Lower Upper

99 100

42 17.4 13.5 20.3

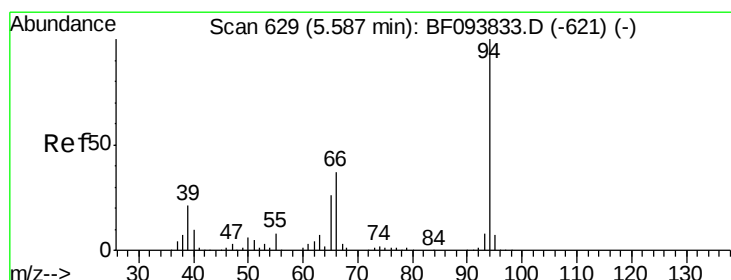
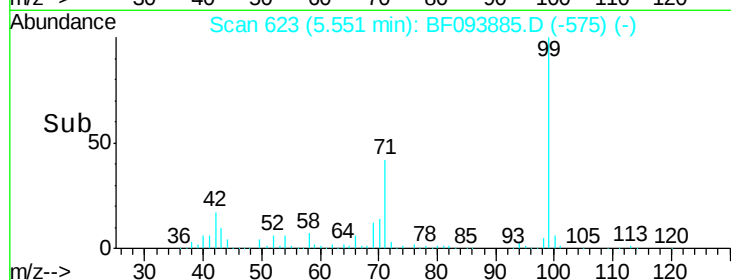
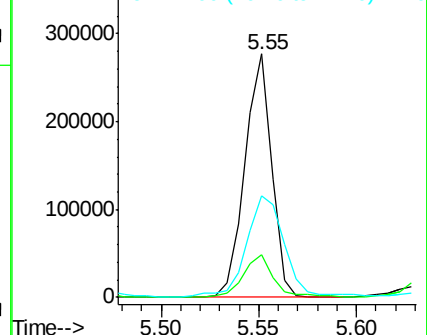
71 41.7 24.5 36.7#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 6.82 ng

RT: 5.56 min Scan# 625

Delta R.T. -0.02 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

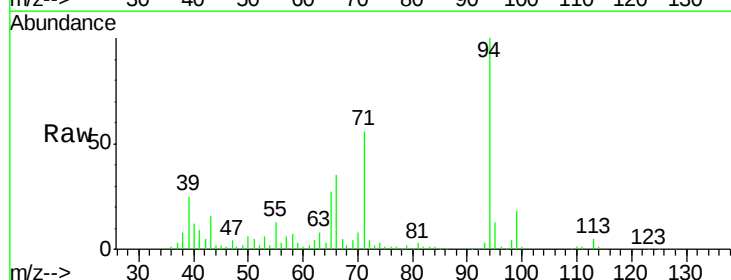
Tgt Ion: 94 Resp: 93423

Ion Ratio Lower Upper

94 100

65 26.8 9.9 49.9

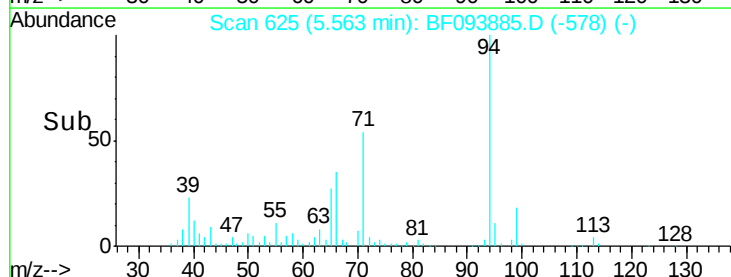
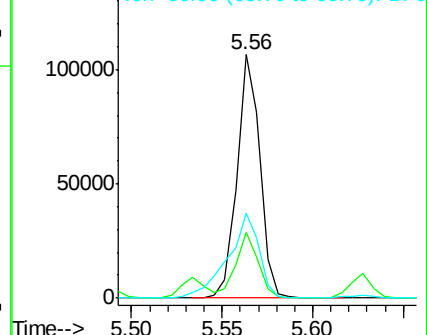
66 34.9 23.1 63.1

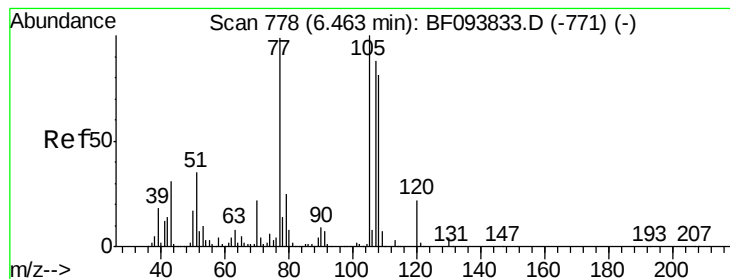


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#20

3+4-Methylphenols

Concen: 2.68 ng

RT: 6.45 min Scan# 775

Delta R.T. -0.02 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

Instrument :

BNA\_F

ClientSampleId :

S8-0664

Tgt Ion:107 Resp: 29759

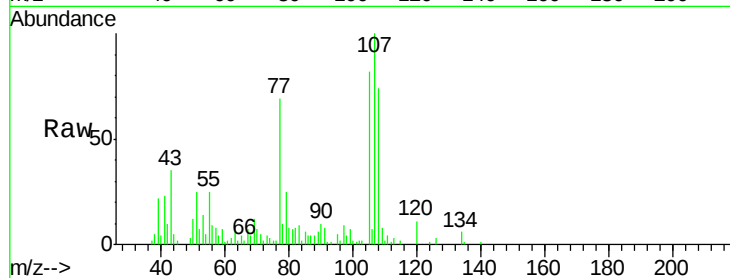
Ion Ratio Lower Upper

107 100

108 74.3 71.0 111.0

77 68.6 90.5 130.5#

79 25.3 8.4 48.4

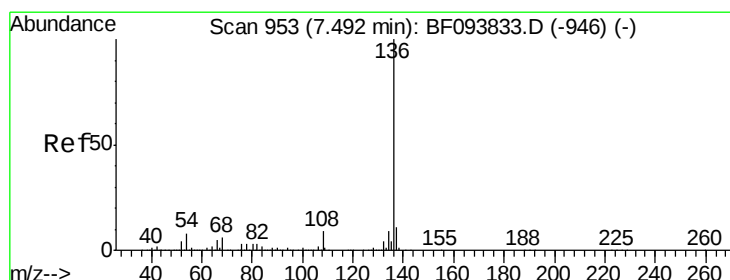
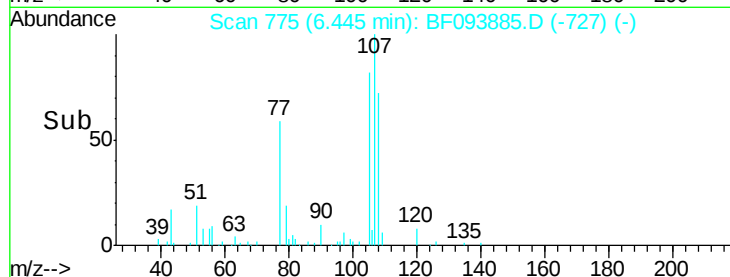
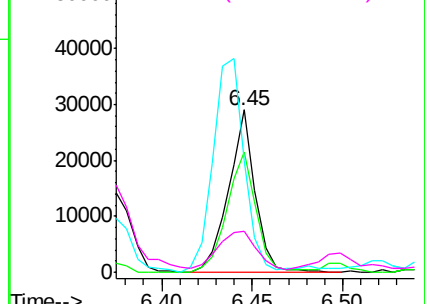


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.48 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

Tgt Ion:136 Resp: 683556

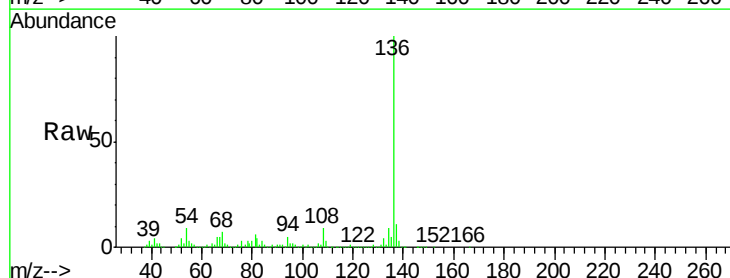
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 9.1 4.9 7.3#

68 7.4 4.1 6.1#

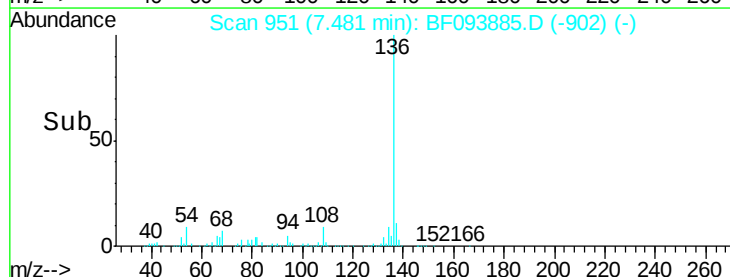
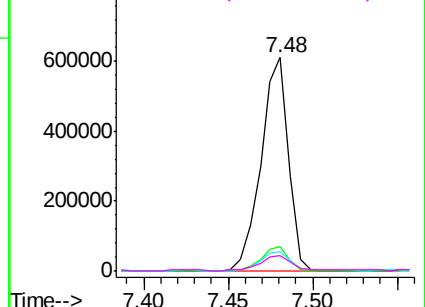


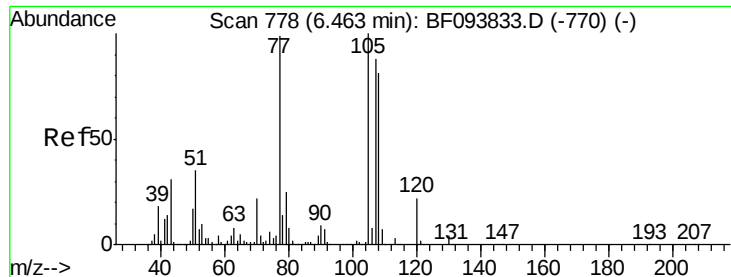
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 4.96 ng

RT: 6.43 min Scan# 773

Delta R.T. -0.03 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

Instrument :

BNA\_F

ClientSampleId :

S8-0664

Tgt Ion: 105 Resp: 75529

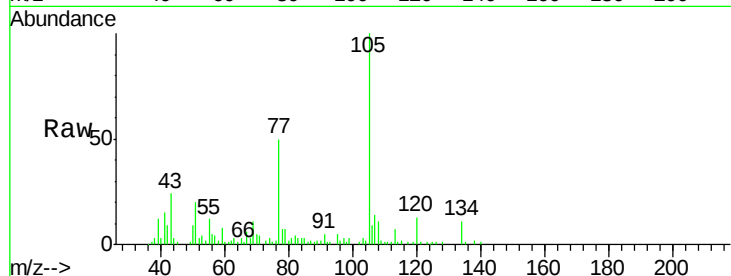
Ion Ratio Lower Upper

105 100

71 3.5 2.8 4.2

51 19.5 30.7 46.1#

120 13.4 17.4 26.0#

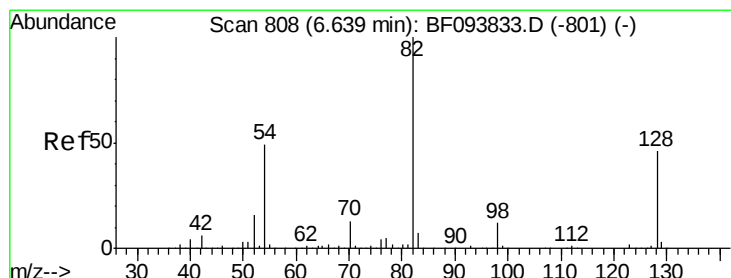
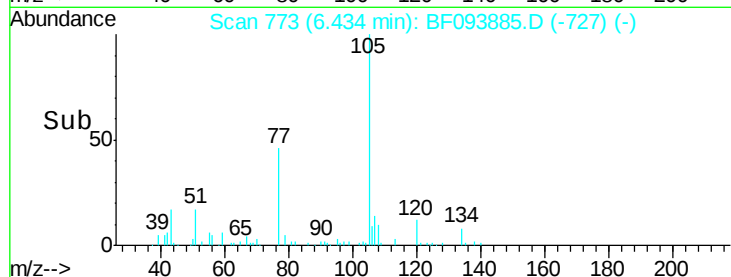
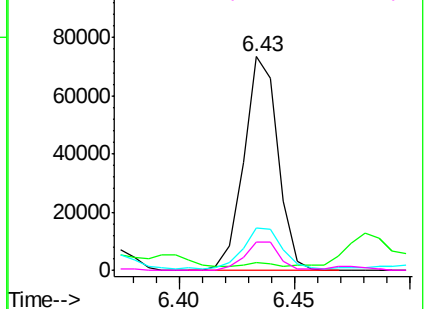


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 65.38 ng

RT: 6.62 min Scan# 805

Delta R.T. -0.02 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

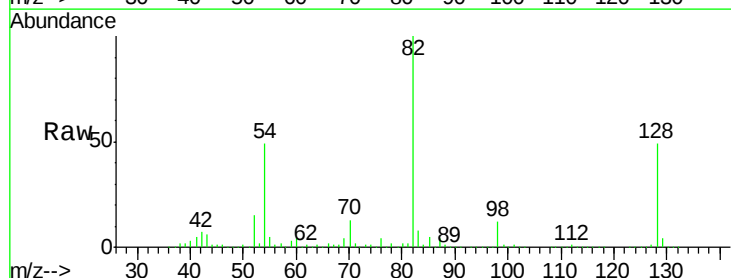
Tgt Ion: 82 Resp: 783102

Ion Ratio Lower Upper

82 100

128 48.5 34.0 51.0

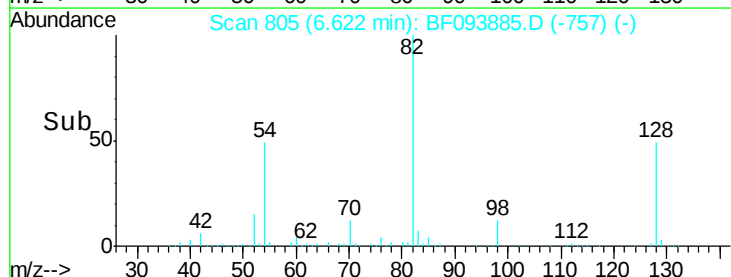
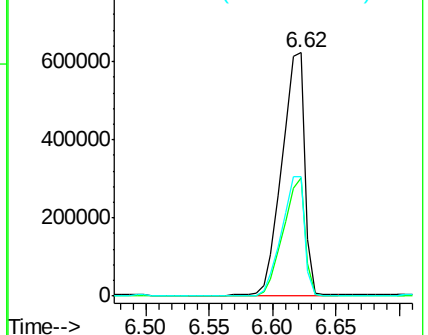
54 49.0 42.2 63.2

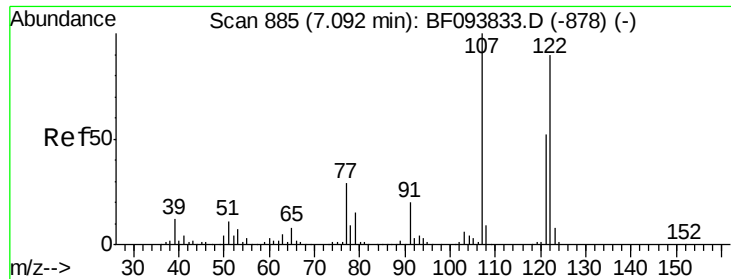


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

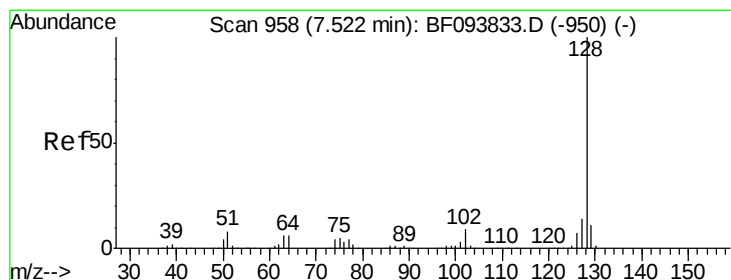
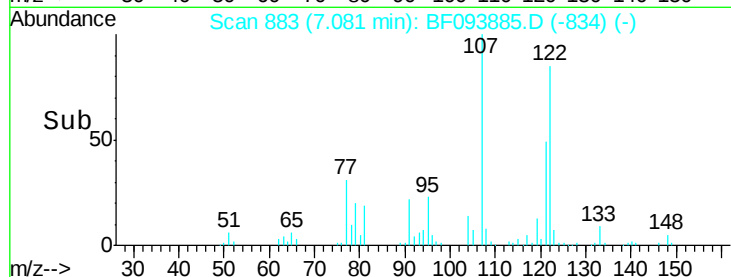
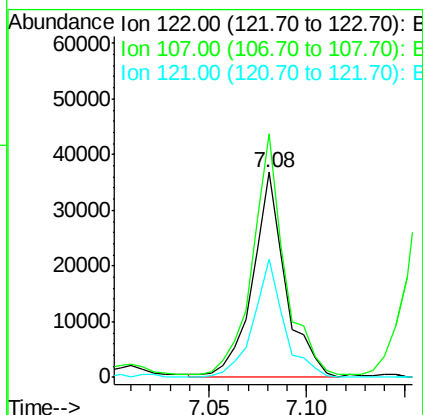
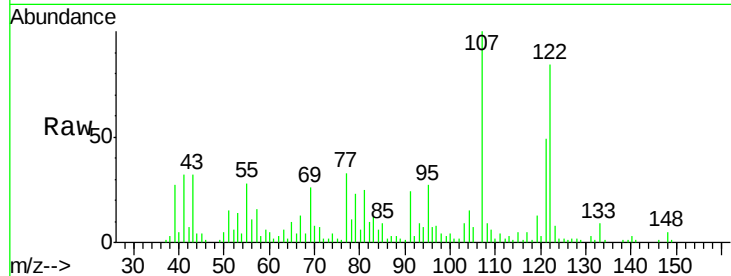




#27  
2,4-Dimethylphenol  
Concen: 4.42 ng  
RT: 7.08 min Scan# 883  
Delta R.T. -0.01 min  
Lab File: BF093885.D  
Acq: 23 Mar 2017 18:09

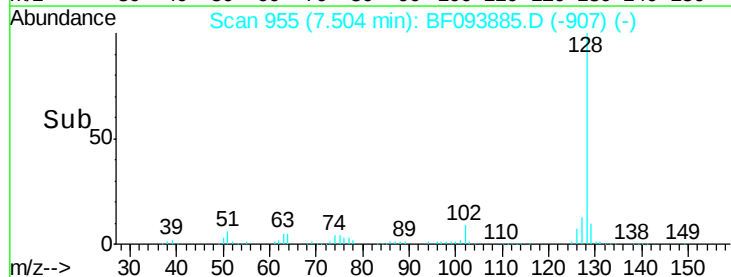
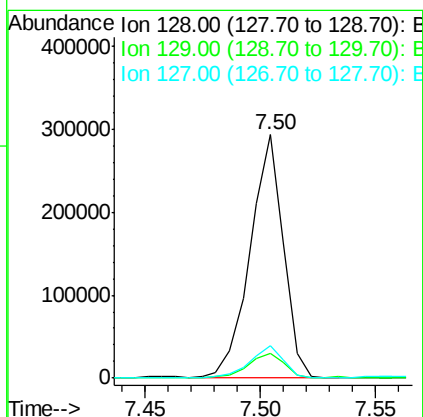
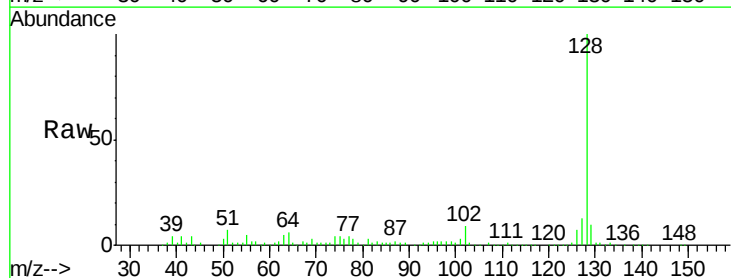
Instrument :  
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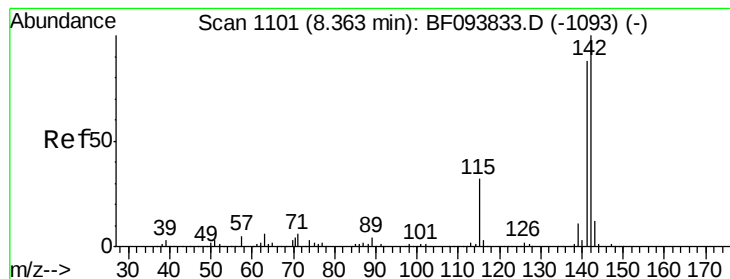
Tgt Ion:122 Resp: 42930  
Ion Ratio Lower Upper  
122 100  
107 118.8 89.2 133.8  
121 57.7 45.2 67.8



#31  
Naphthalene  
Concen: 8.94 ng  
RT: 7.50 min Scan# 955  
Delta R.T. -0.02 min  
Lab File: BF093885.D  
Acq: 23 Mar 2017 18:09

Tgt Ion:128 Resp: 293735  
Ion Ratio Lower Upper  
128 100  
129 10.3 9.0 13.6  
127 13.4 10.8 16.2





#37

2-Methylnaphthalene

Concen: 4.06 ng

RT: 8.35 min Scan# 1098

Delta R.T. -0.02 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

Instrument :

BNA\_F

ClientSampleId :

S8-0664

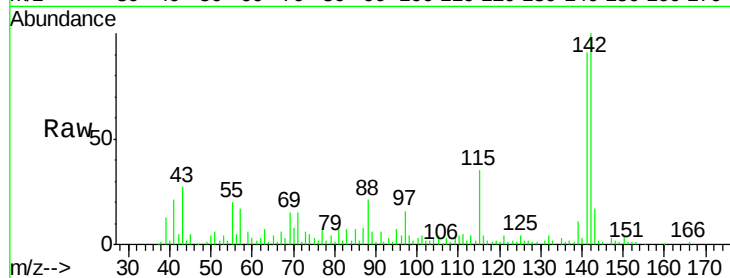
Tgt Ion:142 Resp: 88991

Ion Ratio Lower Upper

142 100

141 91.0 71.3 106.9

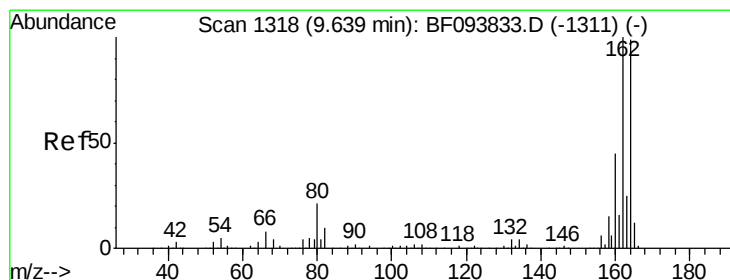
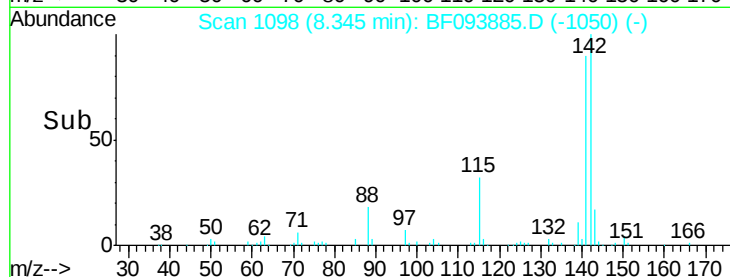
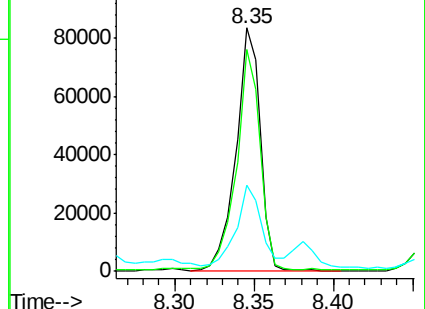
115 35.5 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

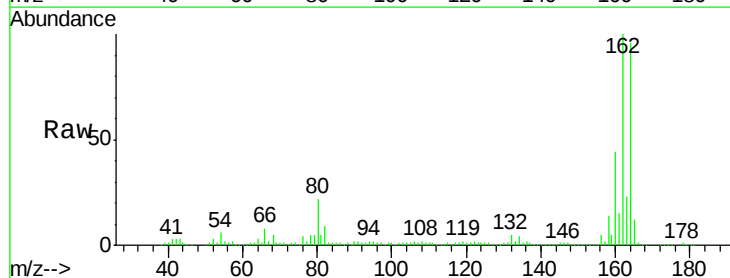
Tgt Ion:164 Resp: 323223

Ion Ratio Lower Upper

164 100

162 103.8 82.6 123.8

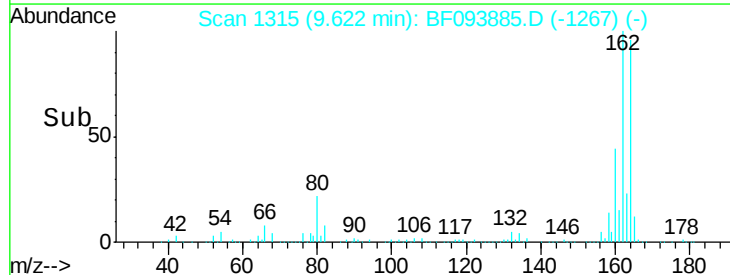
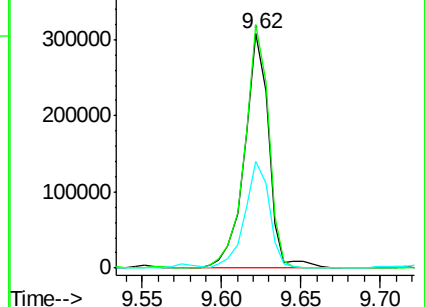
160 45.6 36.2 54.2

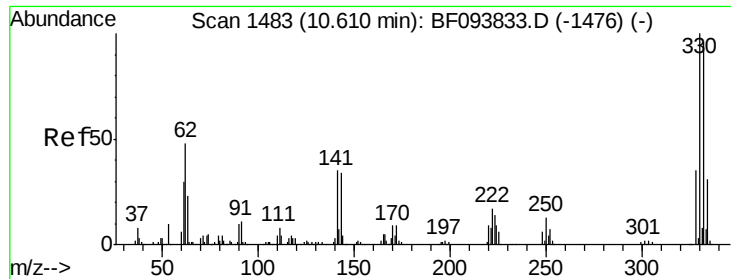


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

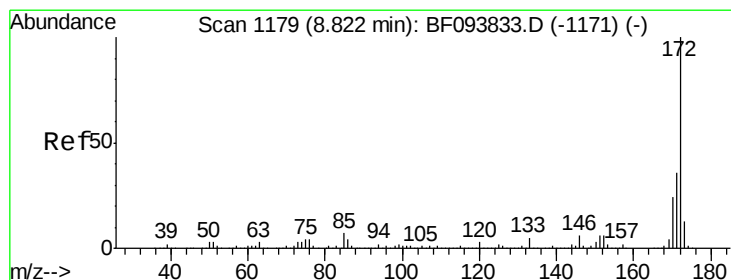
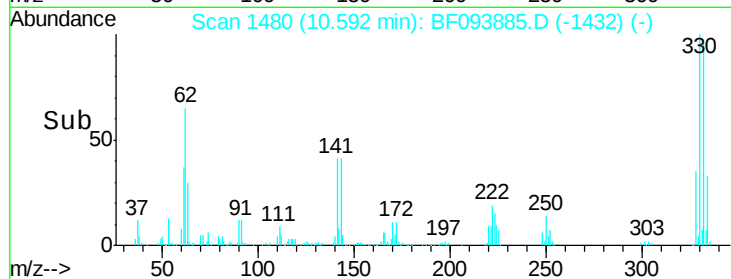
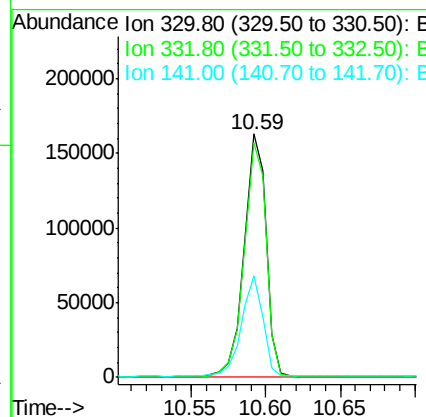
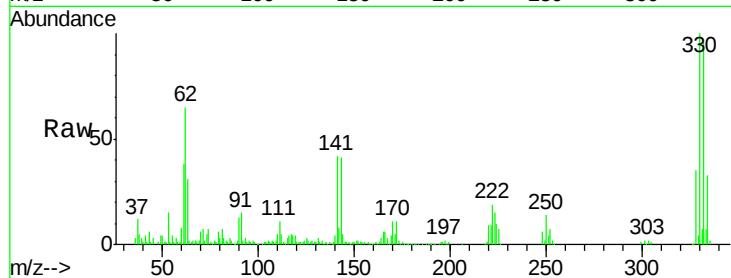




#41  
 2,4,6-Tribromophenol  
 Concen: 65.65 ng  
 RT: 10.59 min Scan# 1480  
 Delta R.T. -0.02 min  
 Lab File: BF093885.D  
 Acq: 23 Mar 2017 18:09

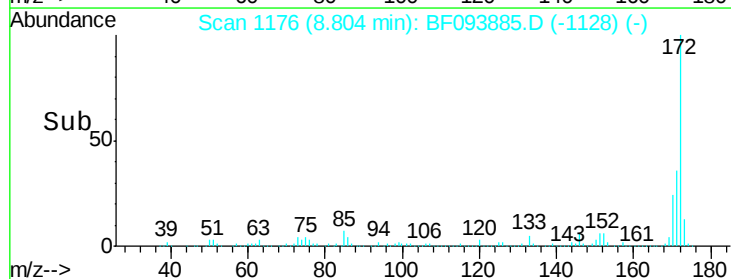
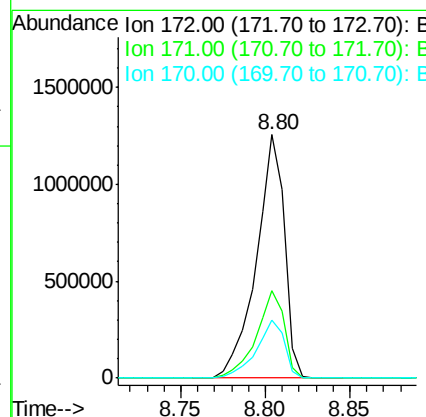
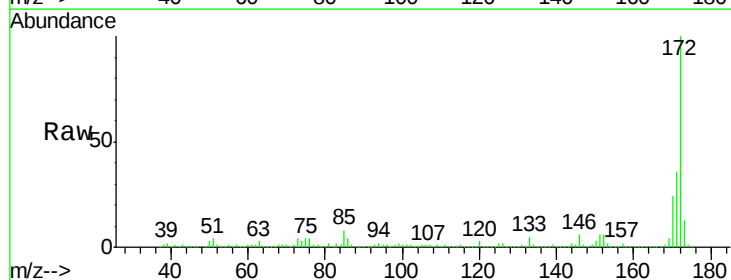
Instrument :  
 BNA\_F  
 ClientSampleId :  
 S8-0664

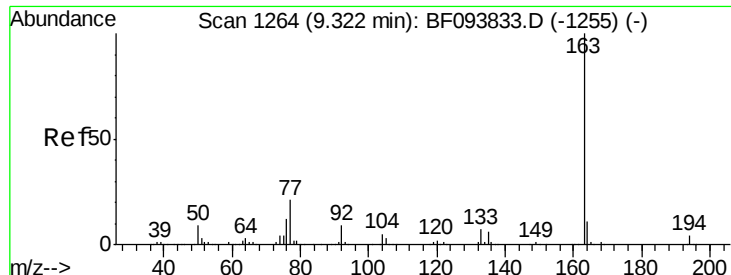
Tgt Ion:330 Resp: 167680  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 76.6 115.0  
 141 40.5 31.4 47.2



#44  
 2-Fluorobiphenyl  
 Concen: 68.60 ng  
 RT: 8.80 min Scan# 1176  
 Delta R.T. -0.02 min  
 Lab File: BF093885.D  
 Acq: 23 Mar 2017 18:09

Tgt Ion:172 Resp: 1453709  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.6 44.4  
 170 23.7 19.8 29.8

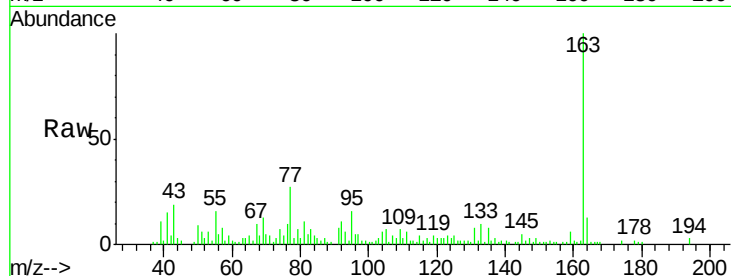




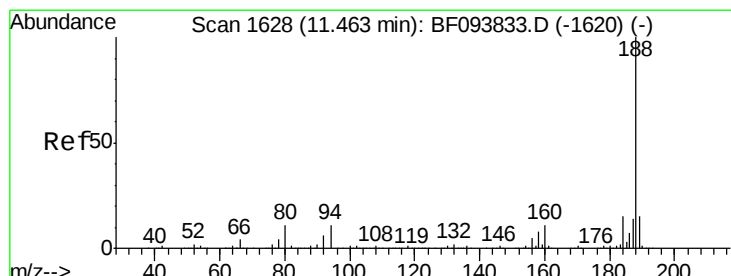
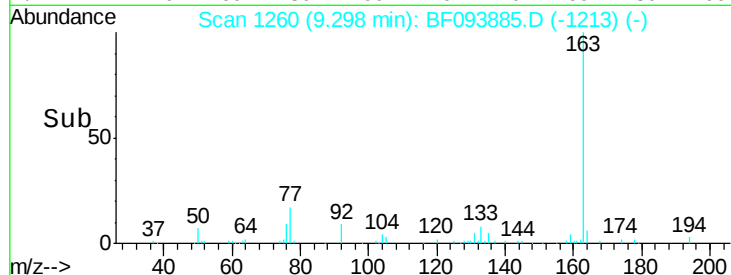
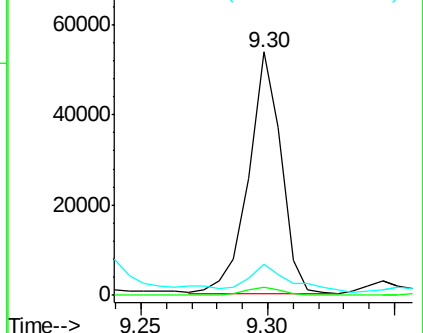
#49  
Dimethylphthalate  
Concen: 2.06 ng  
RT: 9.30 min Scan# 1260  
Delta R.T. -0.02 min  
Lab File: BF093885.D  
Acq: 23 Mar 2017 18:09

Instrument :  
BNA\_F  
ClientSampleId :  
S8-0664

Tgt Ion:163 Resp: 47395  
Ion Ratio Lower Upper  
163 100  
194 3.2 2.6 4.0  
164 12.6 8.4 12.6

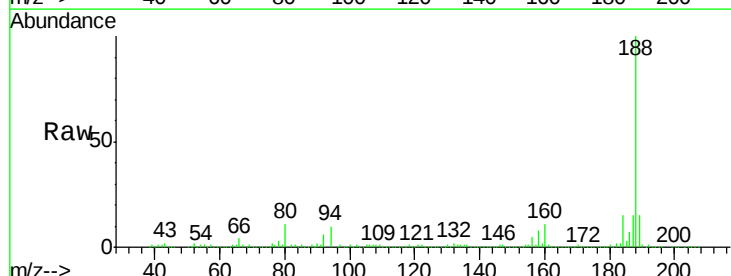


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

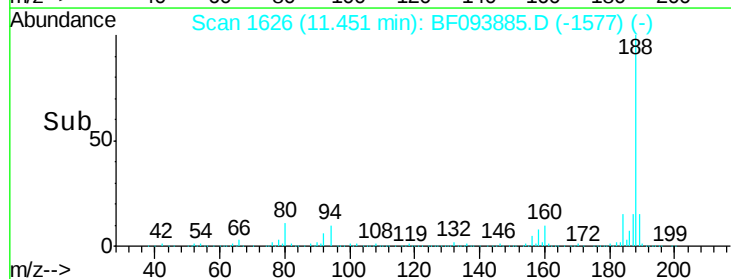
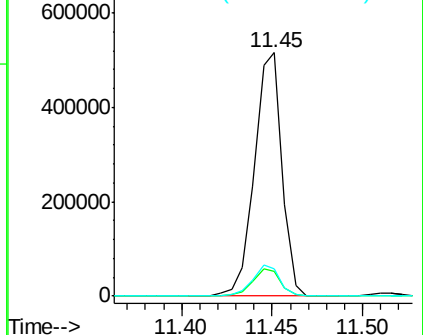


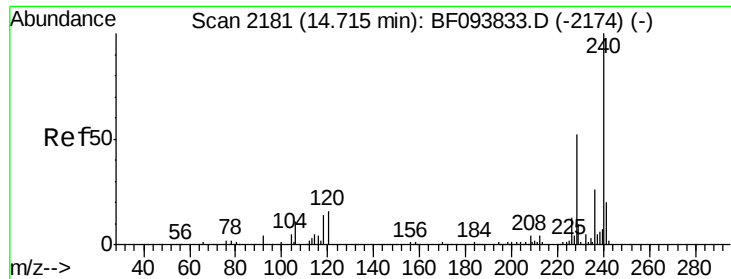
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.45 min Scan# 1626  
Delta R.T. -0.01 min  
Lab File: BF093885.D  
Acq: 23 Mar 2017 18:09

Tgt Ion:188 Resp: 541683  
Ion Ratio Lower Upper  
188 100  
94 10.2 9.4 14.2  
80 11.0 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

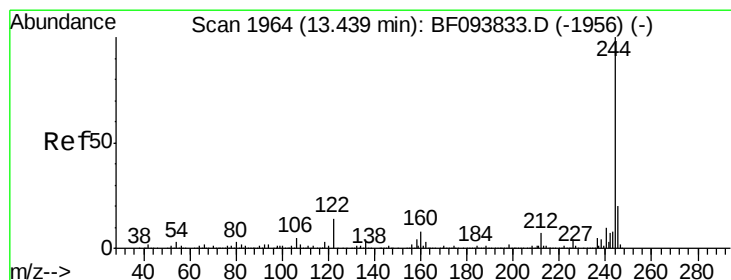
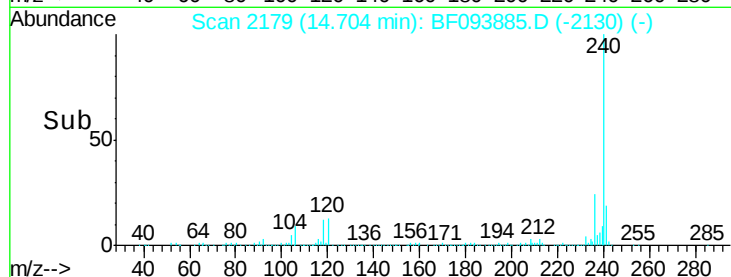
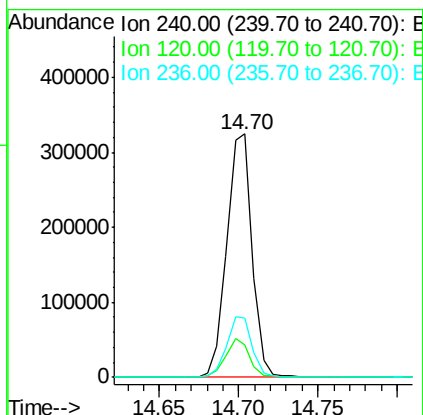
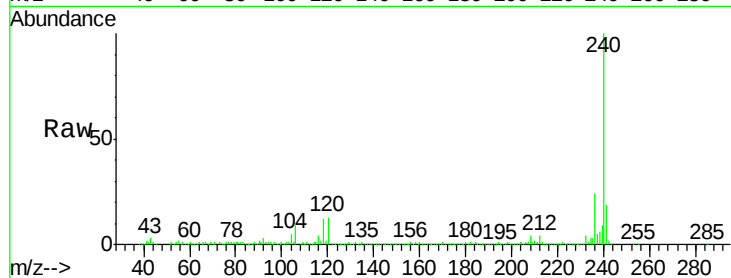




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.70 min Scan# 2179  
Delta R.T. -0.01 min  
Lab File: BF093885.D  
Acq: 23 Mar 2017 18:09

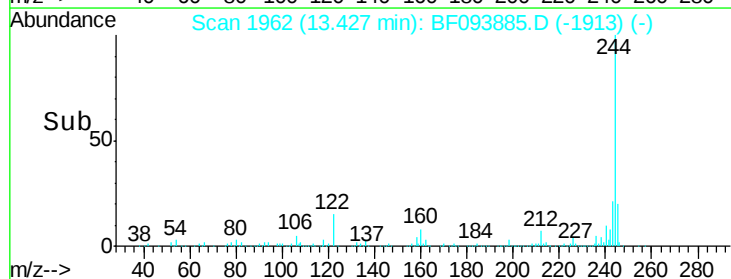
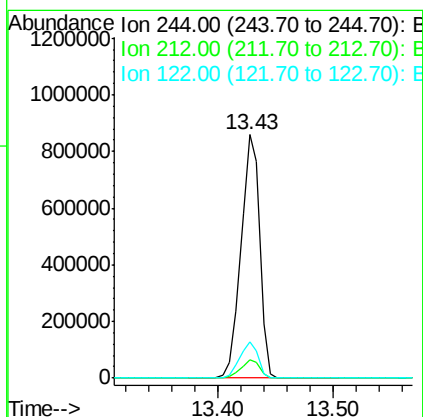
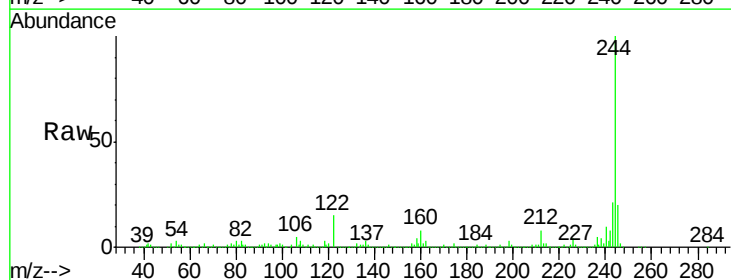
Instrument :  
BNA\_F  
ClientSampleId :  
S8-0664

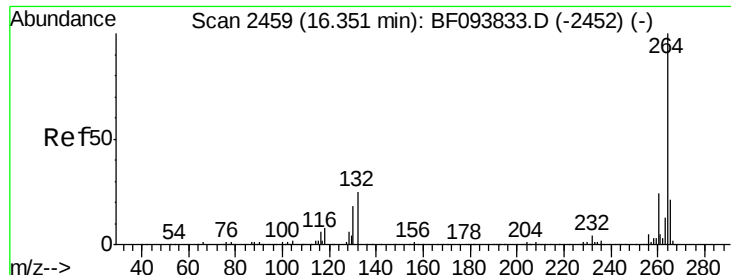
Tgt Ion:240 Resp: 359004  
Ion Ratio Lower Upper  
240 100  
120 13.4 5.8 8.8#  
236 24.5 20.5 30.7



#78  
Terphenyl-d14  
Concen: 60.04 ng  
RT: 13.43 min Scan# 1962  
Delta R.T. -0.01 min  
Lab File: BF093885.D  
Acq: 23 Mar 2017 18:09

Tgt Ion:244 Resp: 961672  
Ion Ratio Lower Upper  
244 100  
212 7.5 6.0 9.0  
122 15.1 10.3 15.5

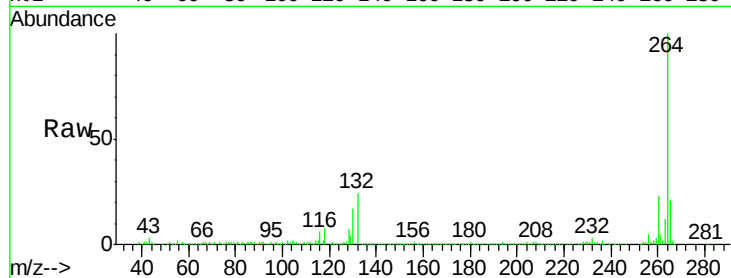




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 16.34 min Scan# 2457  
Delta R.T. -0.01 min  
Lab File: BF093885.D  
Acq: 23 Mar 2017 18:09

Instrument :  
BNA\_F  
ClientSampleId :  
S8-0664

Tgt Ion: 264 Resp: 282212  
Ion Ratio Lower Upper  
264 100  
260 23.5 19.5 29.3  
265 20.7 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

